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FINAL REPORT

SCREENING SITE INSPECTION, PHASE II
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA
EPA ID #: ALD082148800

#2303

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FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

APRIL 3, 1991

NUS CORPORATION
SUPERFUND DIVISION

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EXECUTIVE SUMMARY

The Barry Steam Plant is located in a rural setting in Mobile County, Alabama, approximately 0.75 mile east of Bucks. Under the ownership of the Alabama Power Company, the currently active steam power plant has been in operation since 1952. Two waste disposal areas are located at the facility, a 5- to 8-acre landfill and a 625-acre ash pond. The 5- to 8-acre landfill has received concrete, metal, glass, and other building materials dating from the construction of the plant through the present time. Under National Pollution Discharge Elimination System (NPDES) Permit no. ALD0002879, Barry Steam Plant has discharged fly ash waste, as well as condenser cooling water waste, into the 625-acre ash pond. In the past, metal-cleaning waste and sewage from the plant were both deposited into the ash pond. Both the landfill and the ash pond continue to accept wastes.

The Alabama Power Company-Barry Steam Plant, is located in the Atlantic Coastal Plain Physiographic Province and the Gulf Coastal Plain groundwater region. This region is characterized by thick, gently sloping layers of unconsolidated sediments. The two underlying aquifers, the alluvial coastal aquifer and the Pliocene-Miocene aquifer, are interconnected. Near the facility, wells completed in the alluvial-coastal aquifer have an average depth of 95 feet below land surface (bls). Recharge to the aquifer system is through infiltration of rainwater.

The groundwater pathway was determined to be one of the primary concerns for this site. The majority of the residences within a 4-mile radius obtain drinking water from the LeMoyne and Mt. Vernon water systems, both of which depend on municipal wells located outside of the 4-mile radius. There are 32 private wells within a 3-mile radius, and 43 within a 4-mile radius. Wetlands and fisheries, another primary concern, could be impacted by the migration of contaminants off site. The surface water pathway is also of concern due to recreational activities, including sport fishing, along the Mobile River. Employees at the Barry Steam Plant could potentially be at risk through exposure to the onsite pathway.

Seventeen environmental samples were collected during the field investigation associated with this study. Several inorganic constituents were detected significantly above background. Arsenic was found in groundwater, surface and subsurface soil, and sediment samples in amounts up to 80 times background. The presence of these inorganic constituents can be traced to coal, the fuel for the power plant, which contains many metallic elements like beryllium, mercury, and arsenic. These metallic elements, which are not readily combustible, remain in higher concentrations in the fly ash waste. Other metallic elements found in high concentrations in the samples, such as lead and

chromium, can be traced to the metal-cleaning waste which may have been discharged into the ash pond prior to 1980.

The facility is located in an extremely rural area with a population of 496 within a 4-mile radius. Private wells constitute the only aquifer use in the area; approximately 117 residences receive water from municipal systems whose wells are located outside of the target distance. However, the surface water pathway supports recreational fishing and sensitive environments, including wetlands and critical habitats. Additionally, the concentration of contaminants is high in and around the ash pond area and in the cool-down canal which drains into the Mobile River. Therefore, based upon high target values for the surface water pathway, FIT 4 recommends that Phase I of a Listing Site Inspection be initiated for Alabama Power Company - Barry Steam Plant.

1.0 INTRODUCTION

The NUS Corporation Region 4 Field Investigation Team (FIT) was tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Screening Site Inspection (SSI) at the Barry Steam Plant site in Bucks, Mobile County, Alabama. The investigation was performed under the authority of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). The task was performed to satisfy the requirements stated in Technical Directive Document (TDD) number F4-9001-181. The field investigation was conducted April 30 through May 1, 1990.

1.1 OBJECTIVES

The objectives of this inspection were to determine the nature of contaminants present at the site and to determine if a release of these substances has occurred or may occur. Further, this inspection sought to determine the possible pathways by which contamination could migrate from the site and the populations and environments it would potentially affect. Through these objectives, a recommendation was made regarding future activities at the site.

1.2 SCOPE OF WORK

The objectives were achieved through the completion of a number of specific tasks. These activities were to:

- Obtain and review background material relevant to HRS scoring of the site.
- Obtain maps of site.
- Obtain information on local water systems.
- Evaluate target populations within a 4-mile radius of the site with regard to groundwater use, and possibility of direct contact and/or fire and explosion hazard, and within 15 downstream miles with regard to surface water use.
- Conduct a survey for private wells.

- Determine location and distance to nearest potable well.
- Develop a site sketch to scale.
- Collect environmental samples.

2.0 SITE CHARACTERIZATION

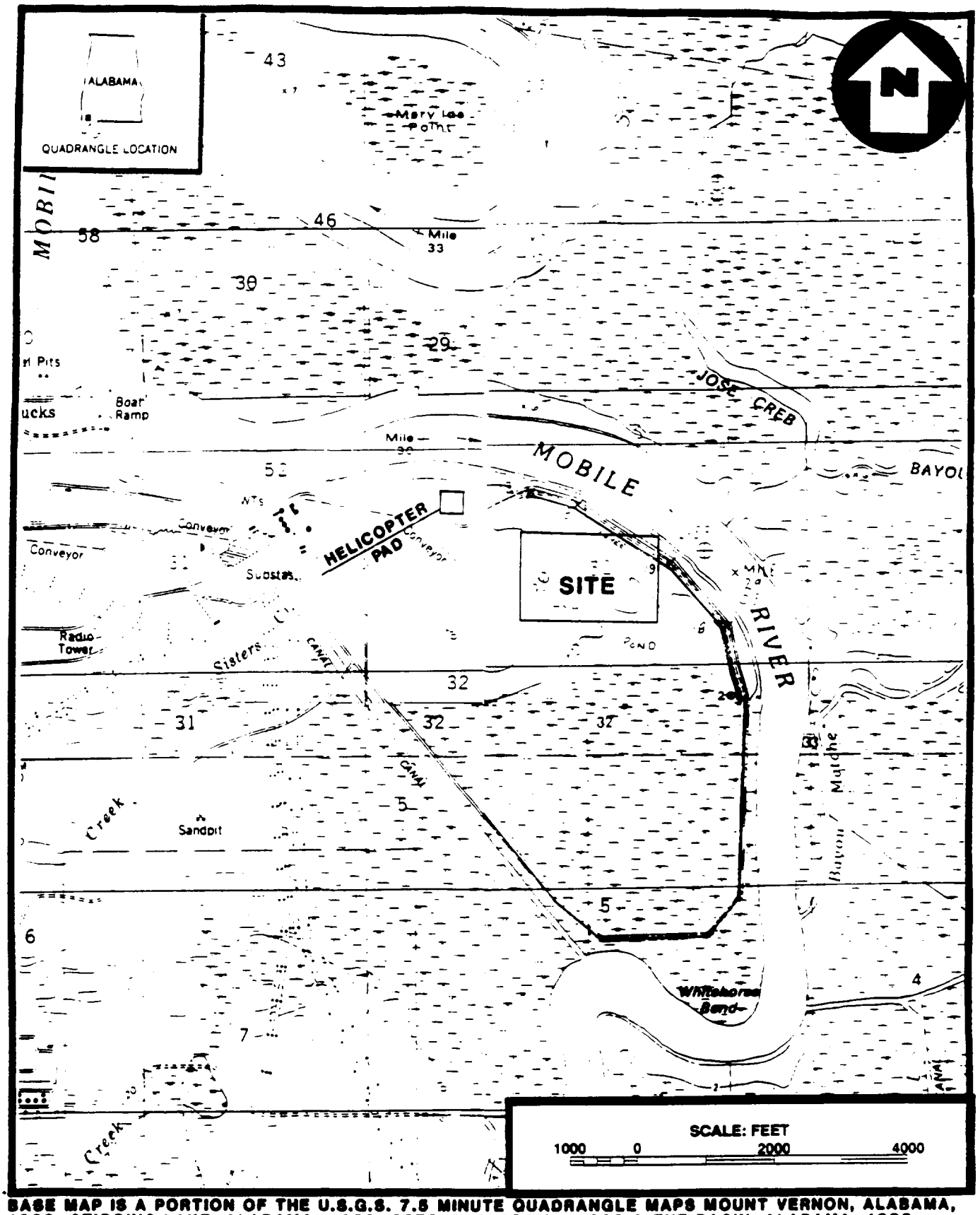
2.1 SITE BACKGROUND AND HISTORY

The Barry Steam Plant is located 2.2 miles north of Salco Road on the east side of Highway 43 in Bucks, Alabama. The 1,000-acre facility consists of a power plant and two waste disposal areas, a 625-acre ash pond and a 5- to 8-acre landfill (Ref. 1, Appendix B). Under the ownership of the Alabama Power Company, the currently active facility has been in operation from 1952, until the present time (Ref. 2).

Typically, electricity is generated at a coal-fired steam power plant by burning coal to produce steam from purified process water which is contained in large tanks. The steam generated by the boiling water is used to turn turbines which produce electricity (Ref. 3). After the generation of electricity, the plant then passes once-through cooling water around the condenser in order to reduce the steam back to a liquid state before recirculation through the boiler tubing (Ref. 4).

Fueled by approximately 3,000,915,272 tons of coal, the Barry Steam Plant generates 1,988,952,000 kilowatt hours of electricity annually (Ref. 5). The steam production process at the facility is self-contained; any contaminants or potentially hazardous wastes result from the cooling of the condenser, the periodic cleaning of the condenser and the tubing, and the intermittent production of demineralized water for use in the tanks. The steam condenser, as well as the internal boiler tubing, is cleaned with a solvent, usually hydroxy acetic formic acid, to remove corrosion products and residue from previous cleaning operations. At the present time, the facility incinerates the metal-cleaning waste at the plant under permit. Waste generated from the demineralization of process water is discharged to the ash pond, where it evaporates or percolates into the ground. The condenser cooling water is discharged into the cool-down canal (Ref. 4).

Waste effluents from the plant discharged into the ash pond or the cool-down canal are regulated under NPDES Permit no. ALD0002879. Since the permit was first issued in 1976, some parts of the permit are no longer applicable, due to changes in facility processes. Barry Steam Plant is working toward renewal of their NPDES permit in 1990. The following parts of their NPDES permit currently apply to the facility: 1) DSN001 to regulate the discharge of the condenser cooling water to the cool-down canal; 2) DSN002 to regulate discharge to the ash pond; 3) DSN007 to govern the incineration of the metal-cleaning waste; 4) DSN010 to monitor storm water runoff; 5) DSN011 and DSN012 to permit backwash discharge into the cool-down canal. In the past, additional permits DSN003,



BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE MAPS MOUNT VERNON, ALABAMA, 1982, STIGGINS LAKE, ALABAMA, 1983, CREOLA, ALABAMA, 1985 & THE BASIN, ALABAMA, 1985.

SITE LOCATION MAP
ALABAMA POWER COMPANY -
BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

FIGURE 1

NUS CORPORATION

DSN005, DSN006, DSN008, and DSN009 governed sewer discharge to the ash pond and fan cooling-water discharge into the cool-down canal (Ref. 4).

Of the waste deposited at the facility, the only known quantities are for fly ash. During its 38 years of operation, Barry Steam Plant estimates that approximately 1,416 yd^3 of fly ash, a nonhazardous waste, has been deposited weekly in the ash pond at a depth of 8 to 10 inches. There are no company records kept on the quantity of wastes deposited in the 5- to 8-acre landfill, which receives concrete, metal, glass, fly ash waste, asbestos, paper, wood, and other construction materials at the present time. After 1983, the small landfill was permitted by the Alabama Department of Environmental Management under ADEM Permit no. 49-18 (Refs. 6, 7).

2.2 SITE DESCRIPTION

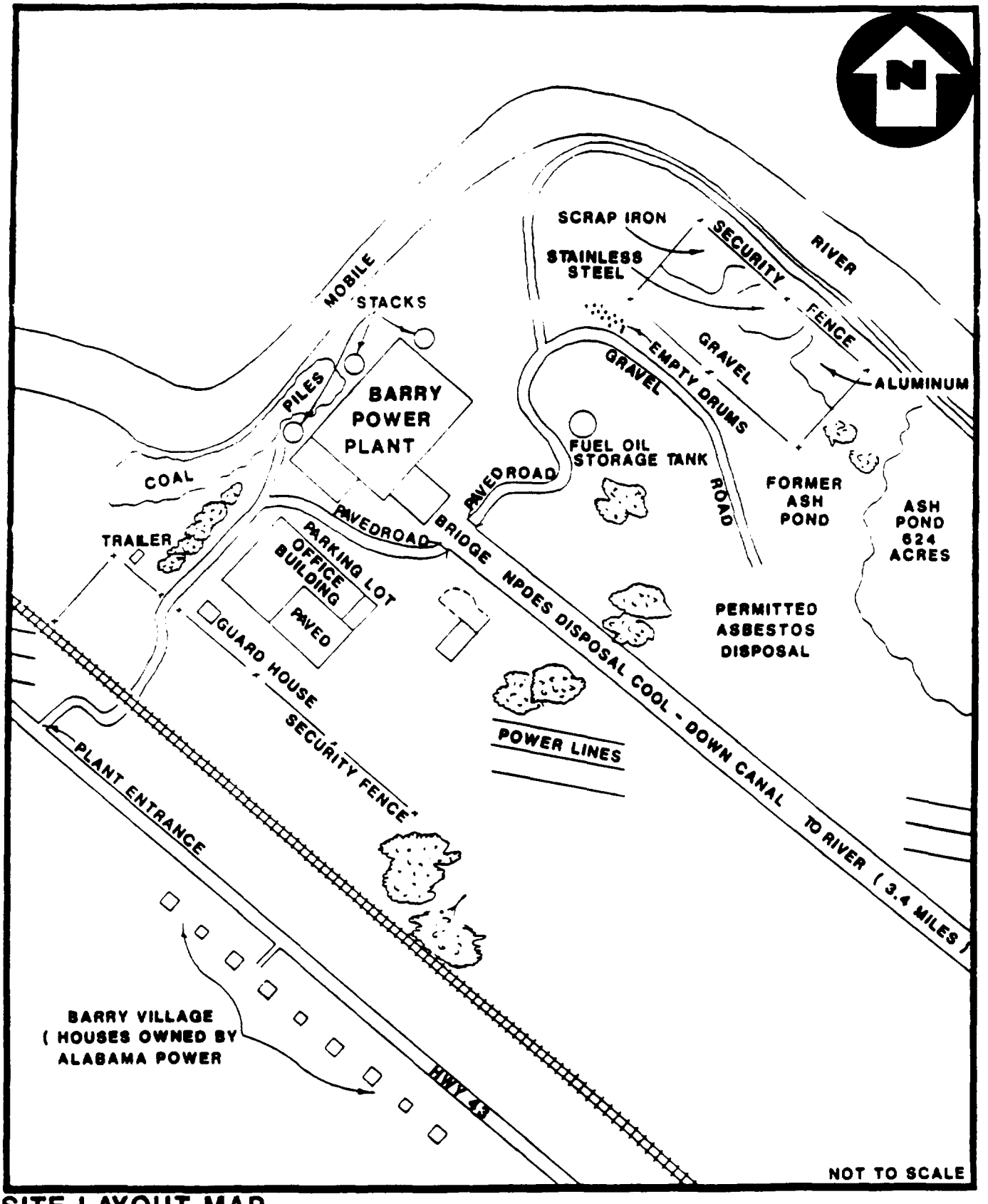
2.2.1 Site Features

The Alabama Power Company facility, which covers over 1,000 acres, is located east of Highway 23 and directly south of the Mobile River at 31°06'19" W latitude and 87°59'43" N longitude (Figure 2). The facility is situated approximately 0.5 mile east of Service Route 23 and, except for the plant smokestacks, cannot be seen from the road (Ref. 1, Appendix A).

A paved road, east of Service Route 43, across the road from Barry Village, leads to the facility's main entrance. A security fence surrounds much of the facility at the main entrance, but it is not known whether the entire 1,000-acre facility is fenced. The main entrance is monitored by a guard house. An office building/warehouse is located just past the guard house on the right side of the road. The power plant is situated due northeast about 1,000 feet from the main entrance. Large piles of coal for the power plant are located to the left (north) of the main entrance along the river and are carried to the plant by a conveyor system (Ref. 1, Appendix A).

In the northeast corner of the facility, there is a metal scrapyard enclosed by a security fence. A fuel oil storage tank is located across the road. The main facility road winds southeast around the power plant and crosses a canal. This canal carries the facility's NPDES discharge southeast for approximately 3.4 miles until entry into the Mobile River (Ref. 1, Appendix B).

On the northeast side of the facility, the main road, at this point unpaved, curves southeastward into the landfill and ash pond area. The ash pond covers about 625 acres on the southeastern portion of the property. The landfill includes 5 to 8 acres in the northwestern corner of the ash pond area shown in Appendix A. This portion of the pond is dry and sparsely vegetated. No debris was visible in the landfill area. Vegetation was extremely stressed or dead inside the levee, but outside the levee it appeared healthy and thriving (Ref. 1, Appendix B).



SITE LAYOUT MAP
ALABAMA POWER COMPANY -
BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

FIGURE 2

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2.2.2 Waste Characteristics

Four types of waste are generated by the Barry Steam Plant: wastes from the intermittent production of demineralized water, routine hazardous wastes from maintenance and cleaning, and fly ash waste (Ref. 4). In a drum-type boiler system like the Barry system, impurities which become concentrated in the boiler water must be purged from the system. The most common method of purification for high-purity process water at power plants is the use of demineralizers (Refs. 2, 3). The wastes resulting from this process are routed to a concrete sump for elementary neutralization before discharge to the ash pond, where it either evaporates or percolates into the ground under National Pollution Discharge Elimination System (NPDES) Permit No. ALD0002879 (Refs. 2, 3, 4).

Routine hazardous wastes result from the periodic cleaning of the boiler and the tubing. Depending upon test results from residue within the boiler tubing, the plant uses cleaning agents, either hydrochloric acid, which was mainly used in the past, or hydroxy acetic formic acid, most often used in recent years. Previously, Barry Steam Plant had an NPDES permit to neutralize the hazardous metal-cleaning waste by onsite caustic injection before discharge into the ash pond. Currently, the facility incinerates the metal-cleaning waste at approximately 2,300°F in an incinerator unit on the plant property (Ref. 4).

In order to recirculate the purified water for future use, the once-through condenser cooling water is used to reduce the state of the steam to liquid. After monitoring for pH and temperature, the cooling water is released to the cool-down canal, which continues for 3.4 miles until entry into the Mobile River (Ref. 4).

In an average year, the plant generates fly ash from 3,000,915,272 tons of coal (Ref. 5). The Barry Steam Plant estimates that approximately 1,416 yd^3 of fly ash, the plant's largest waste, has been deposited weekly in the ash pond at a depth of 8 to 10 inches. The currently active ash pond area is located east of the former ash pond. The fly ash is transported to the ash pond via a conveyor belt (Ref. 6). There are no company records kept on the quantity of wastes deposited in the 5- to 8-acre landfill, which receives concrete, metal, glass, fly ash waste, asbestos, paper, wood, and other construction materials (Ref. 7).

The 5- to 8-acre landfill may have started as early as 1952, for the disposal of construction debris, gravel, and sludge dredge from the canal. A dump truck is used to transport the waste materials to the landfill. The landfill was first permitted on February 3, 1983, with the Alabama Department of Environmental Management. On February 4, 1988, a five-year permit was reissued for the landfill (Ref. 8). The Barry Steam Plant filed a Part A application in 1980. The application was withdrawn December 28, 1982.

There is no record of any violations for these discharge points in the file material. The facility currently has small-quantity generator status (Ref. 9).

3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

The Barry Steam Plant is located in a rural area approximately 1.0 mile west of Bucks, Alabama. The population within a 4-mile radius is primarily concentrated in small communities which border Highway 43. Based upon a house count taken from topographic maps of the area along with county population values, the total population distribution is 12 people between 0 and 1 mile; 60 people between 1 and 2 miles; 89 people between 2 and 3 miles; and 335 people between 3 and 4 miles (Ref. 10, Appendix A).

3.1.2 Land Use

Large-acreage wetlands and farmland cover most of the land area within a 4-mile radius. The rich, Upper Mobile River Delta supports the production of many crops, including soybeans, corn, and watermelon (Refs. 11, 12).

The nearest school, Chastang School, is located approximately 3.75 miles from Barry Steam Plant. No day-care centers are located in the immediate proximity of the facility (Ref. 13). The ranges of several threatened and endangered species occur in Baldwin and Mobile Counties, including the piping plover (Charadrius melodus), a threatened species; the ivory-billed woodpecker (Campephilas principalis), an endangered species; and the red-cockaded woodpecker (Dicoides borealis), an endangered species. A critical habitat for the endangered Alabama beach mouse (Peromyscus polionotus ammobates) occurs in Baldwin County (Ref. 14).

3.2 SURFACE WATER

3.2.1 Climatology

Mobile County has a humid, temperate climate. Winters are warm with infrequent cool spells. In summer, the average temperature is 81°F with a daily maximum temperature of 91°F. The winter temperature averages 53°F with a daily minimum temperature of 43°F. The 1-year, 24-hour rainfall is

27 inches, with an average annual net precipitation of 3 inches. Rainfall occurs throughout the year at regular intervals with occasional heavy downpours (Refs. 11, 12).

3.2.2 Overland Drainage

The Barry Steam Plant is located in extremely flat topography. Typically, the surface water run-off pathway from the landfill and ash pond drains 500 feet overland by sheet drainage southward into the wetlands, which are bordered by the cool-down canal on the west and by the Mobile River on the east and the south. The surface water run-off pathway for the power plant and surrounding buildings continues overland north into the Mobile River (Appendix B).

3.2.3 Potentially Affected Water Bodies

The Mobile River, which continues southward, supports much recreational sport fishing, with catfish and flounder as the major catches (Refs. 14, 15).

Several sensitive environments are located along the 15-mile extended surface water migration pathway which is completed in the Mobile River beyond the Mobile corporate boundary near the point of entry of Williams Creek into the river. Wetlands, a sensitive environment, border nearly the entire length of the pathway. The extended surface water migration pathway contains several endangered species, including a critical habitat for the Alabama beach mouse (*Peromyscus polionotus ammobates*), an endangered species; and the American alligator (*Alligator missipiensis*) (Ref. 14).

This portion of the Mobile River is bordered by sparsely inhabited areas; there are no surface water intakes along an extended 15-mile migration pathway (Appendix B).

3.3 GROUNDWATER

3.3.1 Hydrogeology

The Alabama Power Company-Barry Steam Plant is located in the Atlantic Coastal Plain Physiographic Province and the Gulf Coastal Plain groundwater region (Refs. 16, plate 28; 17, pp. 270, 271). This region is characterized by thick, gently sloping layers of unconsolidated sediments (Ref. 17, p. 271). The topography of the area consists of low hills and marshy lowlands drained by numerous streams and rivers. Topographic relief near the facility ranges from 5 to 50 feet above mean sea level (Appendix B). The soil near the facility consists mostly of alluvium from the nearby Mobile River (Ref. 18).

The major aquifers in the area are the alluvial-coastal aquifer and the Pliocene-Miocene aquifer (Ref. 19, p. 1). The alluvial-coastal aquifer is divided into alluvial-low terrace-coastal deposits and high terrace deposits. The alluvial-low terrace-coastal deposits consist of fine-to coarse-grained sand interbedded with gravel and sandy clay. The high terrace deposits consist of interbedded sand, clay, and gravel (Ref. 19, p. 8). The alluvial-coastal aquifer which is unconfined is approximately 150 feet thick (Refs. 19, p. 6; A, p. 36). The depth to the water table beneath the facility is approximately 10 feet, with groundwater flow to the south (Appendix B). Sediments in the alluvial-coastal aquifer are similar to sediments with hydraulic conductivity values in the 1.0×10^{-5} to 1.0×10^{-3} cm/sec range (Ref. 20, p. 29).

The Pliocene-Miocene aquifer is hydraulically connected to the overlying alluvial-coastal aquifer (Ref. 19, p. 1). It is divided into the Citronelle Formation and the undifferentiated Miocene series. The Citronelle Formation consists of sandy clay interbedded with gravelly sand containing lenses of sand and clay (Ref. 19, p. 5). It ranges in thickness from 40 to 130 feet (Ref. A, p. 36). The undifferentiated Miocene series consists of laminated-to thinly-bedded clay, crossbedded sand, and fossiliferous sandy clay (Refs. 19, p. 5; A, p. 30).

Near the facility, wells completed in the alluvial-coastal aquifer have an average depth of 95 feet below land surface (bls). They yield 10 gallons per minute in sandy areas (Ref. 19, pp. 15, 17). Wells completed in the Pliocene-Miocene aquifer have an average depth of 700 feet bls. They yield approximately 1.5 gpm (Ref. 21, pp. 15, 16, 17). Recharge to the aquifer system is through infiltration of rainwater (Ref. 21, p. 9).

3.3.2 Aquifer Use

Residents within a 4-mile radius are served by two municipal water systems, Mt. Vernon Water System and Le Moyne Water System, Inc. The Mt. Vernon Water System extends south from Mt. Vernon along Highway 43 to include the communities of Movico and Chastang (Ref. 22). The Le Moyne Water System, Inc., extends north from Axis along Highway 43 to the LeMoyne/Salco Road located approximately 0.25 mile south of Cold Creek (Ref. 23). Both water systems rely on municipal wells which are located outside of a 3- and a 4-mile radius (Refs. 22, 23).

Other residents outside of the two distribution systems rely on private wells for drinking water. The nearest private well is located 1.5 miles west of the facility in Bucks. A house count on USGS topographic maps indicates 32 private wells within a 3-mile radius. When a 4-mile radius is considered, there are 43 houses (Refs. 2, 11, 22, 23, 24).

3.4 SUMMARY OF POTENTIALLY AFFECTED POPULATIONS AND ENVIRONMENTS

The surface water pathway is of primary concern at the site due to the recreational areas and sensitive environments located along the Mobile River.

A small number of groundwater users could potentially be affected by contamination from the Barry Steam Plant. The majority of the population is served by the LeMoyne and Mount Vernon water systems, which are both supplied by municipal wells located outside of the 4-mile radius. The air pathway is not of concern due to the lack of a potentially affected population.

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

4.1.1 Sample Collection 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 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services, Division, April 1, 1986.

4.1.2 Duplicate Samples

Split samples were offered to representatives of the Alabama Power Company. The samples were accepted by Mr. Dave Roberson.

4.1.3 Description of Samples and Sample Locations

A total of nine soil, five groundwater, and four sediment samples were collected during the onsite inspection. The samples were collected from background locations, disposal areas, migration pathways, and surface water bodies which could potentially receive contaminants. Sample codes and descriptions are presented in Table 1. Sample locations are shown on Figure 3.

4.1.4 Field Measurements

Field measurements were recorded for the groundwater samples. Parameters measured included temperature, pH, and conductivity of the sample at time of collection. No field measurements were performed on the soil samples during the investigation. The groundwater data are presented in Table 2.

TABLE 1

SAMPLE CODES AND DESCRIPTIONS
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

Sample Code	Collection Time	Collection Date	Description
BS-SS-01	1030	4/30/90	Background surface soil sample was collected east of guard house at plant entrance. Sample consisted of reddish brown, sandy soil. HNu - 0 ppm
BS-SB-01	1040	4/30/90	Background subsurface soil sample was collected east of guard house at plant entrance. Sample was collected from 2 feet below land surface (bls) and consisted of brown, sandy soil. HNu - 0 ppm
BS-SS-02	1325	4/30/90	Surface soil sample was collected from ash pond. Sample consisted of brownish-black, sandy soil. HNu - 2 ppm
BS-SB-02	0815	5/1/90	Subsurface soil sample was collected from ash pond. Sample was collected from 2 feet bls and consisted of black, sandy soil with wood particles. HNu - 0 ppm
BS-SS-03	1350	4/30/90	Surface soil sample was collected downgradient of ash pond and upgradient of Mobile River. Sample consisted of light sandy soil with yellowish-green streaks. HNu - 0 ppm
BS-SB-03	1405	4/30/90	Subsurface soil sample was collected downgradient of ash pond and upgradient of Mobile River. Sample was collected from 7 feet bls and consisted of blackish-gray soil. HNu - 0 ppm
BS-SS-04	1000	5/1/90	Surface soil sample was collected downgradient of ash pond and upgradient of Mobile River. Sample consisted of black, clumpy soil. HNu - 0 ppm
BS-SB-04	1020	5/1/90	Subsurface soil sample was collected downgradient of ash pond and upgradient of Mobile River. Collected from 3 feet bls and consisted of grayish-black soil. HNu - 0 ppm
BS-SS-05	1610	4/30/90	Surface soil sample was collected from drum storage area. Sample consisted of black, sandy soil.

BS - Alabama Power Company - Barry Steam Plant
SS - Surface Soil
SB - Subsurface Soil
PW - Private Well
TW - Temporary Well
TB - Trip Blank
PB - Preservative Blank
SD - Sediment

TABLE 1

SAMPLE CODES AND DESCRIPTIONS
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

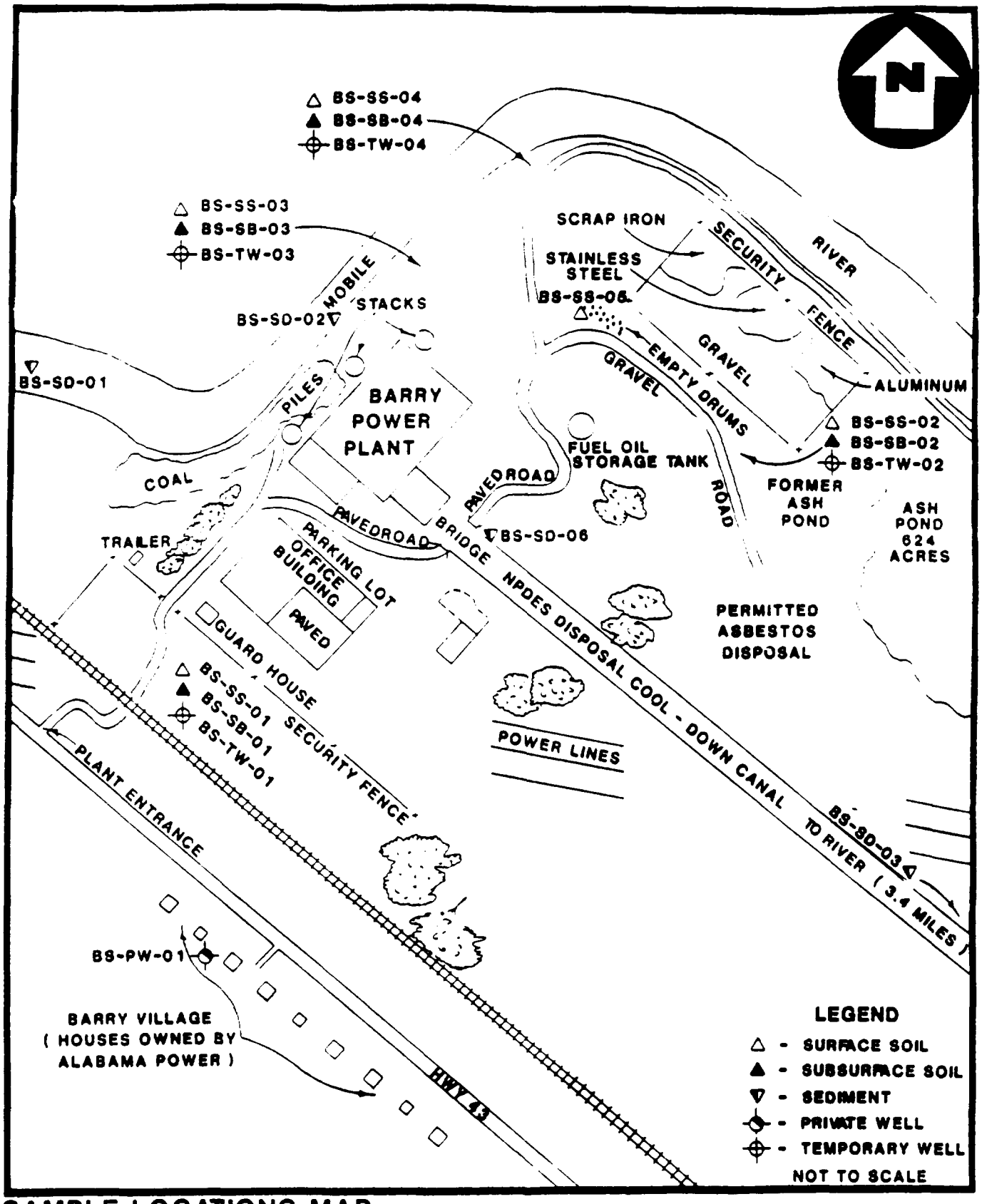
Sample Code	Collection Time	Collection Date	Description
BS-PW-01	1000	4/30/90	Private well was sampled in Barry Village. Barry Village is a small subdivision owned by Alabama Power Company for use by employees. Well is used for garden irrigation only.
BS-TW-01	1115	4/30/90	Groundwater sample was collected from temporary monitor well installed east of guard house for background purposes. Borehole was completed to a depth of 5 feet bls.
BS-TW-02	0900	5/1/90	Groundwater sample was collected from temporary monitor well installed in ash pond. Borehole was completed to a depth of 3 feet bls.
BS-TW-03	1430	4/30/90	Groundwater sample was collected from temporary monitor well installed downgradient of ash pond and upgradient of Mobile River. Borehole was completed to a depth of 8 feet bls.
BS-TW-04	1100	5/1/90	Groundwater sample was collected from temporary monitor well installed downgradient of ash pond and upgradient of Mobile River. Borehole was completed to a depth of 3 feet bls.
BS-TB-01	0630	4/30/90	Trip Blank
BS-PB-01	0630	4/30/90	Preservative Blank was preserved at the same time as last water sample.
BS-SD-01	0815	5/1/90	Sediment sample was collected from Mobile River upstream of facility.
BS-SD-02	0845	5/1/90	Sediment sample was collected from Mobile River adjacent to facility.
BS-SD-03	0910	5/1/90	Sediment sample was collected from Mobile River downstream of facility.
BS-SD-06	0940	5/1/90	Sediment sample was collected from cool-down canal.

BS - Alabama Power Company - Barry Steam Plant
SS - Surface Soil
SB - Subsurface Soil
PW - Private Well
TW - Temporary Well
TB - Trip Blank
PB - Preservative Blank
SD - Sediment

TABLE 2

FIELD MEASUREMENTS
GROUNDWATER SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

Sample Code	Temperature (C°)	Ph (s.u.)	Conductivity (umhos)
BS-PW-01	20	4.5	27.3
BS-TW-01	24	5.3	78.6
BS-TW-02	20	6.4	847
BS-TW-03	24	6.4	13.6
BS-TW-04	29	6.4	1130



SAMPLE LOCATIONS MAP
ALABAMA POWER COMPANY
BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

FIGURE 3

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4.2 SAMPLE ANALYSIS

4.2.1 Analytical Support and Methodology

All samples collected were analyzed under the Contract Laboratory Program (CLP) and analyzed for all parameters listed in the Target Compound List (TCL). Organic analysis of soil and water samples was performed by Compu Chem Laboratories in Chapel Hill, North Carolina. Inorganic analysis of soil and water was performed by NET Mid-Atlantic, Inc. in Thorofare, New Jersey.

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, revised June 1, 1985; or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

4.2.2 Analytical Data Quality

All analytical data were subjected to a quality assurance review as described in the EPA Environmental Services Division laboratory data guidelines. In the tables, some of the concentrations of the organic and inorganic parameters have been flagged with a "J". This indicates that the qualitative analysis was acceptable, but the quantitative value has been estimated. A few other compounds are flagged with an "N", indicating that they were detected based on the presumptive evidence of their presence. This means that the compound was tentatively identified, and its detection cannot be used as positive identification to its presence. The complete analytical data sheets are presented in Appendix B. The preservative trip blank, BS-TB-01, indicated one unidentified extractable compound at 10 ug/l (estimated value).

4.2.3 Presentation of Analytical Results

This section presents a discussion of the analytical results from the environmental samples collected during the investigation at Alabama Power Company-Barry Steam Plant. Results of sediment, surface soil, and subsurface soil samples are presented in Tables 3, 4, 5, 6, 7, and 8. Interpretation of organic and inorganic follows. Background samples have been designated for each of the three media: surface soil, subsurface soil, and sediment. Values for background sample results are presented as either a real value if measurable or as the minimum quantitation limit (MQL) for that constituent. MQL values are qualified with a "U" for undetected. Throughout the following discussion of

TABLE 3

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Background		Ash Pond		Downgradient of Ash Pond				Drum Storage Area
PARAMETERS (ug/kg)	BS-SS-01	BS-SB-01	BS-SS-02	BS-SB-02	BS-SS-03	BS-SB-03	BS-SS-04	BS-SB-04	BS-SS-05
PURGEABLE COMPOUNDS									
CHLOROFORM	6U	-	-	-	-	-	-	-	1J
EXTRACTABLE COMPOUNDS									
(3-AND/OR 4-)METHYLPHENOL	370U	-	91J	-	-	-	-	-	-
NAPHTHALENE	370U	390U	50J	110J	-	-	-	-	-
2-METHYLNAPHTHALENE	370U	390U	-	130J	-	-	-	-	-
PHENANTHRENE	370U	390U	370J	370J	-	-	-	-	-
ANTHRACENE	370U	-	50J	-	-	-	-	-	-
DI-N-BUTYLPHTHALATE	370U	-	49J	-	-	52J	-	-	-
FLUORANTHENE	370U	390U	580	410J	130J	-	-	-	-
PYRENE	370U	-	470	-	-	-	-	-	-
BENZO(A)ANTHRACENE	370U	-	350J	-	-	-	-	-	-
CHRYSENE	370U	-	390J	-	-	-	-	-	-
BENZO(B AND/OR K)FLUORANTHENE	370U	-	680J	-	-	-	-	-	-
BENZO-A-PYRENE	370U	-	280J	-	-	-	-	-	-
INDENO (1,2,3-CD) PYRENE	370U	-	150J	-	-	-	-	-	-
BENZO(GHI)PERYLENE	370U	-	170J	-	-	-	-	-	-
UNIDENTIFIED COMPOUNDS/NO.(1)			4000J/8	40,000J/13	300,000J/19		9000J/7	700J	

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
N Presumptive evidence of presence of material
U Material was analyzed for but not detected. The given number is the minimum quantitation limit.
(1) Tentatively identified compound (TIC). This compound not on CLP Target Compound List (TCL) and is reported only as detected in individual samples; MQL not determined.

TABLE 3

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Background		Ash Pond		Downgradient of Ash Pond				Drum Storage Area
PARAMETERS (ug/kg)	BS-SS-01	BS-SB-01	BS-SS-02	BS-SB-02	BS-SS-03	BS-SB-03	BS-SS-04	BS-SB-04	BS-SS-05
HEXADECANOIC ACID(1)			700JN						
METHYLPHENANTHRENE(1)			600JN						
ETHYLANTHRACENE(1)			600JN						
DIMETHYLNAPTHALENE(1)			300JN						
HYDROXYMETHYLNAPTHALENEDIONE(1)							2000JN		
PESTICIDE\PCB COMPOUNDS									
BETA-BHC	-	9 2U	-	19	-	-	-	-	-

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
N Presumptive evidence of presence of material
U Material was analyzed for but not detected. The given number is the minimum quantitation limit.
(1) Tentatively identified compound (TIC). This compound not on CLP Target Compound List (TCL) and is reported only as detected in individual samples; MQL not determined.

TABLE 4

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

PARAMETERS (ug/kg)	Upgradient BS-SD-01	Adjacent to Facility BS-SD-02	Downgradient BS-SD-03*	Ash Pond BS-SD-06
EXTRACTABLE COMPOUNDS				
PHENANTHRENE	490U	-	-	62J
PYRENE	490U	-	-	58J
UNIDENTIFIED COMPOUNDS/NO.(1)	7000J/6			10,000J/12

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
U Material was analyzed for but not detected. The number given is the minimum quantitation limit.
(1) Tentatively identified compound. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.
*Note: Sample SD-04 and SD-05 not collected.

TABLE 5

SUMMARY OF ORGANIC ANALYTICAL RESULTS
GROUNDWATER SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

PARAMETERS (ug/l)	Trip Blank	Background	Ash Pond	Downgradient of Ash Pond		Private Well
	BS-TB-01	BS-TW-01	BS-TW-02	BS-TW-03	BS-TW-04	BS-PW-01
PURGEABLE COMPOUNDS						
CARBON DISULFIDE	-	5U	-	-	2J	-
EXTRACTABLE COMPOUNDS						
UNIDENTIFIED COMPOUNDS/NO.(1)	10J/1			50J/2	300J/2	

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
U Material was analyzed for but not detected. The number given is the minimum quantitation limit.
(1) Tentatively identified compound. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 6

SUMMARY OF INORGANIC ANALYTICAL RESULTS
GROUNDWATER SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Preservative Blank	Background	Ash Pond	Downgradient of Ash Pond		Private Well
PARAMETERS (ug/l)	BS-PB-01	BS-TW-01	BS-TW-02	BS-TW-03	BS-TW-04	BS-PW-01
ALUMINUM	-	11,000	3300	4300	22,000	-
ARSENIC	-	6U	110J	500	130	-
BARIUM	-	47	610	1200	120	-
BERYLLIUM	-	1U	-	-	-	-
CADMIUM	-	1U	-	-	-	-
CALCIUM	-	6900	140,000	180,000	200,000	710
CHROMIUM	-	9U	69	-	37	-
IRON	-	5600	17,000	73,000	65,000	2800
MAGNESIUM	-	1000	16,000	31,000	42,000	-
MANGANESE	-	50	1200	2300	6000	33
NICKEL	-	13U	91	16	31	-
POTASSIUM	-	570	17,000	17,000	13,000	630
SELENIUM	-	4U	14	-	-	-
SILVER	-	2U	-	-	-	-
SODIUM	-	2400U	26,000	15,000	15,000	-
VANADIUM	-	16	16	15	58	-
ZINC	-	50U	-	-	-	55

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
U Material was analyzed for but not detected. The number given is the minimum quantitation limit.
R QC indicates that data unusable. Compound may or may not be present.

TABLE 7

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Background		Ash Pond		Downgradient of Ash Pond				Drum Storage Area
PARAMETERS (mg/kg)	BS-SS-01	BS-SB-01	BS-SS-02	BS-SB-02	BS-SS-03	BS-SB-03	BS-SS-04	BS-SB-04	BS-SS-05
ALUMINUM	4500	6500	2500	9000	690	830	8000	7200	3500
ARSENIC	1.4U	1.4U	12J	100J	-	6.6J	37J	-	27J
BARIUM	9.9	15	69	240	-	6.9	170	24	300
CADMIUM	.20U	.20U	-	2.1	-	-	-	-	-
CALCIUM	370	130	4700	19,000	140	200	2500	1100	3600
CHROMIUM	5.7	6.2	11	290	2.6	2.3	18	12	15
COBALT	1U	1.2	3.5	11	-	-	6.7	-	5.6
COPPER	3UJ	3UJ	-	120J	-	-	-	-	-
IRON	5200J	3900J	6600J	67,000J	690J	1100J	16,000J	7800J	17,000J
LEAD	5U	6U	-	120	-	-	-	-	-
MAGNESIUM	130	210	-	3200	99	-	640	480	990
MANGANESE	7U	6.8	45	690	2.8	5	120	45	120
MERCURY	.11UR	.10UR	-	-	-	-	-	-	-
NICKEL	2.6U	2.6U	9.7	150	-	-	12	-	13
POTASSIUM	99	120	330	1100	140	75	790	480	370

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
U Material was analyzed for but not detected. The number given is the minimum quantitation limit.
R QC indicates that data unusable. Compound may or may not be present.

TABLE 7

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SOIL SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Background		Ash Pond		Downgradient of Ash Pond				Drum Storage Area
PARAMETERS (mg/kg)	BS-SS-01	BS-SB-01	BS-SS-02	BS-SB-02	BS-SS-03	BS-SB-03	BS-SS-04	BS-SB-04	BS-SS-05
SELENIUM	.80U	.8U	-	61J	-	-	2.5J	-	4.3J
SILVER	.40U	.4U	-	-	-	-	-	-	-
SODIUM	120U	100U	-	420	-	-	-	-	-
VANADIUM	11	11	16	43	3.3	3.1	37	19	16
ZINC	20U	20	23	320	-	-	-	-	-
CYANIDE	2.5U	-	-	-	-	-	3.1	-	-

- Material analyzed for but not detected above minimum quantitation limit
J Estimated value
U Material was analyzed for but not detected. The number given is the minimum quantitation limit.
R QC indicates that data unusable. Compound may or may not be present.

TABLE 8

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
ALABAMA POWER COMPANY - BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

	Mobile River			Cool Down Canal
	Upgradient	Adjacent to Facility	Downgradient	Ash Pond
PARAMETERS (mg/kg)	BS-SD-01	BS-SD-02	BS-SD-03*	BS-SD-06
ALUMINUM	7000	3100	7600	3600
ARSENIC	2.8U	5.7J	-	75J
BARIUM	65	31	40	240
CALCIUM	2100	5900	1600	4100
CHROMIUM	14	7.6	17	14
IRON	14,000J	9500J	18,000J	52,000J
MAGNESIUM	1100	200	810	290
MANGANESE	390	44	160	41
NICKEL	10	-	4.3	9.1
POTASSIUM	680	200	560	-
SELENIUM	.80U	-	-	5J
VANADIUM	18	11	26	51
ZINC	40U	-	-	-
CYANIDE	10	-	2.7	6.6
COPPER	6UJ	-	-	19J

- Material analyzed for but not detected above minimum quantitation limit (MQL).
J Estimated value.
U Material was analyzed for but not detected. The number given is the MQL.
R QC indicates that data unusable. Compound may or may not be present.
*Note: Samples SD-04 and SD-05 were not collected because of sampling location inaccessibility

analytical results, the concentrations of some of the contaminants detected have been described as "significant". This means that the concentration was found to be either three times the background sample, or it was three times the MQL of that contaminant in the background sample.

4.2.3.1 Summary of Organic Analytical Results

Table 3 presents organic analytical results for the surface and subsurface soil samples. No organics were detected at significant levels above background or the MQL in surface soil, subsurface soil, or sediment samples (Tables 3, 4). Beta-BHC was detected at two times MQL in subsurface soil BS-SB-02. The sample also contained 13 unidentified compounds at an estimated value of 40,000 ug/kg. Sample BS-SS-02, also collected in the ash pond, contained polycyclin-aromatic hydrocarbon (PAH) compounds, as well as eight unidentified extractable compounds, at an estimated value of 4,000 ug/kg.

Downgradient of the ash pond, two unidentified extractable compounds were found in each of the temporary wells, BS-TW-03, and BS-TW-04, respectively.

4.2.3.2 Summary of Inorganic Analytical Results

Table 6 presents inorganic analytical results for the groundwater samples. Temporary well, BS-TW-01, which was used as a background well, contained measurable quantities of calcium, iron, magnesium, and manganese.

Two temporary wells, BS-TW-03 and BS-TW-04, located downgradient from the ash pond, both contained significant amounts of arsenic. Arsenic was detected in sample BS-TW-03 (500 ug/l, 80 times MQL), and in BS-TW-04 (130 ug/l, 20 times MQL). Coal, which is used as a fuel at the power plant, contains substantial amounts of sulfur, nitrogen, and mineral matter, including significant amounts of toxic materials like beryllium, mercury, and arsenic. Arsenic compounds are not readily combustible; therefore, high concentrations of these remain in the ash.

Other significant contaminants found in these two well samples include barium (26 times background in BS-TW-04), potassium (8,000 times background in BS-TW-03; 5,000 times background in BS-TW-04), and calcium (26 times background in BS-TW-03; 30 times background in BS-TW-04). A sample from a well located in the ash pond indicated chromium at eight times MQL. Eight inorganic metallic metallic contaminants were detected at significant levels above background, ranging from 3 times background to 46 times background.

Table 7 presents inorganic analytical results for surface and subsurface soil samples obtained from the Alabama Power Company-Barry Steam Plant. Arsenic was detected in both surface and subsurface soil samples at locations BS-SS-02 (12 mg/kg, 9 times MQL), BS-SB-02 (100 mg/kg, 70 times MQL), BS-SB-03 (6.6 mg/kg, 5 times MQL), BS-SS-04 (37 mg/kg, 26 times MQL), and BS-SS-05 (27 mg/kg, 19 times MQL) at estimated values. In the ash pond area, chromium was detected at 3 times MQL at location BS-SS-04. Lead was found in subsurface soil sample BS-SB-02 at 20 times MQL. Chromium and arsenic were detected at various locations in and around the ash ponds, while lead was detected solely in the ash pond sampling points. Thirteen of the inorganic contaminants were detected at significant levels above background, ranging from 2 times background to 146 times background.

Table 8 presents inorganic analytical results for four sediment samples. Sample BS-SD-01, located upstream of the facility in the Mobile River, was designated as the background sample. Cyanide, chromium, and nickel were found in notably high levels in sample BS-SD-01. Arsenic was detected in sample BS-SD-06 at 25 times MQL, estimated value. The sample also contained barium, copper, lead, and selenium at levels ranging from 2 to 5 times background. No significant levels of contamination above background or MQL were found in samples collected downstream of the facility in the Mobile River. Often solvents, like the hydroxy acetic acid used at the plant to clean the boiler and tubing, can leach metals from the metal tubing. The high levels of metals in the ash pond could result from this process.

5.0 SUMMARY

The groundwater and surface water pathways are of primary concern at the Barry Steam Plant. The majority of the population within a 4-mile radius obtains drinking water from the LeMoyne and Mt. Vernon water systems, both of which depend upon municipal wells located outside of the 4-mile radius. There are only 32 private wells within a 3-mile radius, 43 within a 4-mile radius. However, the surface water pathway supports recreational fishing and sensitive environments, including wetlands and critical habitats. Additionally, the concentration of contaminants is high in and around the ash pond area and in the cool-down canal which drains into the Mobile River.

The sampling investigation consisted of the collection of eighteen environmental samples: nine soil, five groundwater, and four sediment samples. Arsenic was detected in all media at significant levels above background. Arsenic appeared especially concentrated in the ash pond area, with decreasing concentrations in the surface water migration pathway.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, FIT 4 recommends Phase I of a Listing Site Inspection be initiated for Alabama Power Company - Barry Steam Plant.

REFERENCES

1. NUS Corporation Field Logbook No. F4-2225 and attached site map for Alabama Power Co.-Barry Steam Plant, TDD No. F4-9001-181. Documentation of screening site inspection, April 30 - May 1, 1990.

2. Potential Hazardous Waste Site Preliminary Assessment (EPS Form 3012-111), and attachments for Alabama Power Co. - Barry Steam Plant. Filed by Steven M. Hornung, Environmental Protection Systems, August 2, 1984.

3. USEPA, Office of Solid Waste and Emergency Response, Coal by Electric Utility Power Plants: Report to Congress (Washington, D.C.: GPO, February 1988).

4. Don Barton, Alabama Power Co. - Barry Steam Plant, telephone conversation with Betty Ann Pruner, NUS Corporation, August 31, 1990. Subject: Production processes at the Barry Steam Plant.

5. Don Barton, Alabama Power Company - Barry Steam Plant, telephone conversation with Betty Ann Pruner, NUS Corporation, September 19, 1990. Subject: Production figures at the Barry Steam Plant.

6. Lori Conway, NUS Corporation, memo to file for Alabama Power Company-Barry Steam Plant, August 21, 1990. Subject: Conversation with Betty Ann Pruner, NUS Corporation, concerning waste disposal.

7. Landfill Permit Application for Inert Type Solid Waste Landfill (Section 4-181.08) for Barry Steam Plant, Bucks, Alabama. Filed by J.R. Beggerly, owner, January 26, 1983.

8. Don Fuqua, Environmental Compliance Section, Alabama Power Company, telephone conversation with Betty Ann Pruner, NUS Corporation, September 4, 1990. Subject: History of the 5- to 8-acre landfill.

9. Barbara Smith, Alabama Department of Environmental Management, telephone conversation with Betty Ann Pruner, NUS Corporation, November 1, 1990. Subject: RCRA status of Barry Steam Plant.

10. U.S. Bureau of the Census, Estimates of Households for Counties: July 1, 1985, Current Population Reports, Series P-23, No. 156 (Washington, D.C.: GPO, 1988).

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16. Oscar R. Meinzer, The Occurrence of Groundwater in the United States, U.S. Geological Survey Water-Supply Paper No. 489 (Washington, D.C.: GPO, 1923), plate 28.

17. Linda Aller, et al., DRASTIC: A Standardized System for Evaluating Ground Water Pollution Potential Using Hydrologic Settings, EPA-600/2-87-035 (Ada, Oklahoma: EPA, April 1987).

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19. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper Number 40 (Washington, D.C.: GPO, 1961).

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21. R. Allan Freeze and John A. Cherry, Groundwater (Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1979).

22. Ms. Jackson, Mt. Vernon City Hall, telephone conversation with Betty Ann Pruner, NUS Corporation, August 27, 1990. Subject: Mt. Vernon water system.

23. Larry Parker, LeMoyne Water System, Inc., telephone conversation with Betty Ann Pruner, August 29, 1990. Subject: LeMoyne Water System, Inc.

OVERSIZED

DOCUMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/.

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T062

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370UJ	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
[redacted]	
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
300UR	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
[redacted]	
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
[redacted]	
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
[redacted]	
370U	BENZYL BUTYL PHTHALATE
730U	3,3'-DICHLOROBENZIDINE
[redacted]	
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYL PHTHALATE
[redacted]	
370U	DIBENZO(A,H)ANTHRACENE
[redacted]	
[redacted]	PERCENT MOISTURE

APPENDIX B

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
D. NUMBER: T062

UG/KG	ANALYTICAL RESULTS
8.8U	ALPHA-BHC
8.8U	BETA-BHC
8.8U	DELTA-BHC
8.8U	GAMMA-BHC (LINDANE)
8.8U	HEPTACHLOR
8.8U	ALDRIN
8.8U	HEPTACHLOR EPOXIDE
8.8U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
88.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
88.U	GAMMA-CHLORDANE /2
88.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
88.U	PCB-1016 (AROCLOR 1016)
88.U	PCB-1221 (AROCLOR 1221)
88.U	PCB-1232 (AROCLOR 1232)
88.U	PCB 1242 (AROCLOR 1242)
88.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
10	PERCENT MOISTURE

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
D. NO.: T062

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
[redacted]	
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T065

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
9U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
17	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL POWER, BARRY SP
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T065

UG/KG	ANALYTICAL RESULTS
400U	PHENOL
400UR	BIS(2-CHLOROETHYL) ETHER
400UJ	2-CHLOROPHENOL
400U	1,3-DICHLOROBENZENE
400U	1,4-DICHLOROBENZENE
400U	BENZYL ALCOHOL
400U	1,2-DICHLOROBENZENE
400U	2-METHYLPHENOL
400U	BIS(2-CHLOROISOPROPYL) ETHER
91J	(3-AND/OR 4-)METHYLPHENOL
400U	N-NITROSODI-N-PROPYLAMINE
400UR	HEXACHLOROETHANE
400U	NITROBENZENE
400U	ISOPHORONE
400U	2-NITROPHENOL
400U	2,4-DIMETHYLPHENOL
1900UR	BENZOIC ACID
400U	BIS(2-CHLOROETHOXY) METHANE
400U	2,4-DICHLOROPHENOL
400U	1,2,4-TRICHLOROBENZENE
50J	NAPHTHALENE
400U	4-CHLOROANILINE
400U	HEXACHLOROBUTADIENE
400U	4-CHLORO-3-METHYLPHENOL
400U	2-METHYLNAPHTHALENE
400U	HEXACHLOROCYCLOPENTADIENE (HCCP)
400U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
400U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
400U	DIMETHYL PHTHALATE
400U	ACENAPHTHYLENE
400U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
400U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
400U	DIBENZOFURAN
400U	2,4-DINITROTOLUENE
400U	DIETHYL PHTHALATE
400U	4-CHLOROPHENYL PHENYL ETHER
400U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
400U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U	4-BROMOPHENYL PHENYL ETHER
400U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
370J	PHENANTHRENE
50J	ANTHRACENE
49J	DI-N-BUTYLPHTHALATE
580	FLUORANTHENE
470	PYRENE
400U	BENZYL BUTYL PHTHALATE
800U	3,3'-DICHLOROBENZIDINE
350J	BENZO(A)ANTHRACENE
390J	CHRYSENE
600U	BIS(2-ETHYLHEXYL) PHTHALATE
400U	DI-N-OCTYLPHTHALATE
680J	BENZO(B AND/OR K)FLUORANTHENE
280J	BENZO-A-PYRENE
150J	INDENO (1,2,3-CD) PYRENE
400U	DIBENZO(A,H)ANTHRACENE
170J	BENZO(GHI)PERYLENE
17	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-02
CASE.NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00
D. NO.: T065 MD NO: T065

ANALYTICAL RESULTS UG/KG

4000J	8 UNIDENTIFIED COMPOUNDS
700JN	HEXADECANOIC ACID
600JN	METHYLPHENANTHRENE
600JN	ETHYLANTHRACENE
300JN	DIMETHYLNAPHTHALENE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00
D. NUMBER: T065

UG/KG	ANALYTICAL RESULTS
9.6U	ALPHA-BHC
9.6U	BETA-BHC
9.6U	DELTA-BHC
9.6U	GAMMA-BHC (LINDANE)
9.6U	HEPTACHLOR
9.6U	ALDRIN
9.6U	HEPTACHLOR EPOXIDE
9.6U	ENDOSULFAN I (ALPHA)
19.U	DIELDRIN
19.U	4,4'-DDE (P,P'-DDE)
19.U	ENDRIN
19.U	ENDOSULFAN II (BETA)
19.U	4,4'-DDD (P,P'-DDD)
19.U	ENDOSULFAN SULFATE
19.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
96.U	METHOXYCHLOR
19.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
96.U	GAMMA-CHLORDANE /2
96.U	ALPHA-CHLORDANE /2
190U	TOXAPHENE
96.U	PCB-1016 (AROCLOR 1016)
96.U	PCB-1221 (AROCLOR 1221)
96.U	PCB-1232 (AROCLOR 1232)
96.U	PCB-1242 (AROCLOR 1242)
96.U	PCB-1248 (AROCLOR 1248)
190U	PCB-1254 (AROCLOR 1254)
190U	PCB-1260 (AROCLOR 1260)
17	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T068

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435   SAMPLE NO. 45694   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP   CITY: BUCKS   ST: AL
STATION ID: SS-03   COLLECTION START: 04/30/90 1350   STOP: 00/00/00

CASE NO.: 14001   SAS NO.:   D. NO.: T068

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370UJ	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800UJ	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
130J	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
730U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
10	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP	CITY: BUCKS ST: AL
STATION ID: SS-03	COLLECTION START: 04/30/90 1350 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.:	D. NO.: T068 MD NO: T068

ANALYTICAL RESULTS UG/KG

300000J 19 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00
D. NUMBER: T068

UG/KG	ANALYTICAL RESULTS
8.9U	ALPHA-BHC
8.9U	BETA-BHC
8.9U	DELTA-BHC
8.9U	GAMMA-BHC (LINDANE)
8.9U	HEPTACHLOR
8.9U	ALDRIN
8.9U	HEPTACHLOR EPOXIDE
8.9U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
89.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
89.U	GAMMA-CHLORDANE /2
89.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
89.U	PCB-1016 (AROCLOR 1016)
89.U	PCB-1221 (AROCLOR 1221)
89.U	PCB-1232 (AROCLOR 1232)
89.U	PCB 1242 (AROCLOR 1242)
89.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
10	PERCENT MOISTURE

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T071

UG/KG	ANALYTICAL RESULTS
16U	CHLOROMETHANE
16U	BROMOMETHANE
16U	VINYL CHLORIDE
16U	CHLOROETHANE
40U	METHYLENE CHLORIDE
16U	ACETONE
8U	CARBON DISULFIDE
8U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
8U	1,1-DICHLOROETHANE
8U	1,2-DICHLOROETHENE (TOTAL)
8U	CHLOROFORM
8U	1,2-DICHLOROETHANE
16U	METHYL ETHYL KETONE
8U	1,1,1-TRICHLOROETHANE
8U	CARBON TETRACHLORIDE
16U	VINYL ACETATE
8U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
8U	1,2-DICHLOROPROPANE
8U	CIS-1,3-DICHLOROPROPENE
8U	TRICHLOROETHENE(TRICHLOROETHYLENE)
8U	DIBROMOCHLOROMETHANE
8U	1,1,2-TRICHLOROETHANE
8U	BENZENE
8U	TRANS-1,3-DICHLOROPROPENE
8U	BROMOFORM
16U	METHYL ISOBUTYL KETONE
16U	METHYL BUTYL KETONE
8U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
8U	1,1,2,2-TETRACHLOROETHANE
8U	TOLUENE
8U	CHLOROBENZENE
8U	ETHYL BENZENE
8U	STYRENE
8U	TOTAL XYLENES
37	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T071

UG/KG	ANALYTICAL RESULTS
520U	PHENOL
520UR	BIS(2-CHLOROETHYL) ETHER
520UJ	2-CHLOROPHENOL
520U	1,3-DICHLOROBENZENE
520U	1,4-DICHLOROBENZENE
520U	BENZYL ALCOHOL
520U	1,2-DICHLOROBENZENE
520U	2-METHYLPHENOL
520U	BIS(2-CHLOROISOPROPYL) ETHER
520U	(3-AND/OR 4-)METHYLPHENOL
520U	N-NITROSODI-N-PROPYLAMINE
520UR	HEXACHLOROETHANE
520U	NITROBENZENE
520U	ISOPHORONE
520U	2-NITROPHENOL
520U	2,4-DIMETHYLPHENOL
2500U	BENZOIC ACID
520U	BIS(2-CHLOROETHOXY) METHANE
520U	2,4-DICHLOROPHENOL
520U	1,2,4-TRICHLOROBENZENE
520U	NAPHTHALENE
520U	4-CHLOROANILINE
520U	HEXACHLOROBUTADIENE
520U	4-CHLORO-3-METHYLPHENOL
520U	2-METHYLNAPHTHALENE
520U	HEXACHLOROCYCLOPENTADIENE (HCCP)
520U	2,4,6-TRICHLOROPHENOL
2500U	2,4,5-TRICHLOROPHENOL
520U	2-CHLORONAPHTHALENE
2500U	2-NITROANILINE
520U	DIMETHYL PHTHALATE
520U	ACENAPHTHYLENE
520U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2500U	3-NITROANILINE
520U	ACENAPHTHENE
2500U	2,4-DINITROPHENOL
2500U	4-NITROPHENOL
520U	DIBENZOFURAN
520U	2,4-DINITROTOLUENE
520U	DIETHYL PHTHALATE
520U	4-CHLOROPHENYL PHENYL ETHER
520U	FLUORENE
2500U	4 NITROANILINE
2500U	2-METHYL-4,6-DINITROPHENOL
520U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
520U	4-BROMOPHENYL PHENYL ETHER
520U	HEXACHLOROBENZENE (HCB)
2500U	PENTACHLOROPHENOL
520U	PHENANTHRENE
520U	ANTHRACENE
520U	DI-N-BUTYLPHTHALATE
520U	FLUORANTHENE
520U	PYRENE
520U	BENZYL BUTYL PHTHALATE
1000U	3,3'-DICHLOROBENZIDINE
520U	BENZO(A)ANTHRACENE
520U	CHRYSENE
520U	BIS(2-ETHYLHEXYL) PHTHALATE
520U	DI-N-OCTYLPHTHALATE
520U	BENZO(B AND/OR K)FLUORANTHENE
520U	BENZO-A-PYRENE
520U	INDENO (1,2,3-CD) PYRENE
520U	DIBENZO(A,H)ANTHRACENE
520U	BENZO(GHI)PERYLENE
37	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-04
CASE.NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00
D. NO.: T071 MD NO: T071

ANALYTICAL RESULTS UG/KG

9000J	7 UNIDENTIFIED COMPOUNDS
2000JN	HYDROXYMETHYLNAPHTHALENEDIONE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00
D. NUMBER: T071

UG/KG	ANALYTICAL RESULTS
13.U	ALPHA-BHC
13.U	BETA-BHC
13.U	DELTA-BHC
13.U	GAMMA-BHC (LINDANE)
13.U	HEPTACHLOR
13.U	ALDRIN
13.U	HEPTACHLOR EPOXIDE
13.U	ENDOSULFAN I (ALPHA)
25.U	DIELDRIN
25.U	4,4'-DDE (P,P'-DDE)
25.U	ENDRIN
25.U	ENDOSULFAN II (BETA)
25.U	4,4'-DDD (P,P'-DDD)
25.U	ENDOSULFAN SULFATE
25.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
130U	METHOXYCHLOR
25.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
130U	GAMMA-CHLORDANE /2
130U	ALPHA-CHLORDANE /2
250U	TOXAPHENE
130U	PCB-1016 (AROCLOR 1016)
130U	PCB-1221 (AROCLOR 1221)
130U	PCB-1232 (AROCLOR 1232)
130U	PCB 1242 (AROCLOR 1242)
130U	PCB-1248 (AROCLOR 1248)
250U	PCB-1254 (AROCLOR 1254)
250U	PCB-1260 (AROCLOR 1260)
37	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL POWER, BARRY SP
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T076

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
50U	METHYLENE CHLORIDE
40U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
1J	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
3U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
15	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T076

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390UJ	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
390U	NAPHTHALENE
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
390U	2-METHYLNAPHTHALENE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
390U	PHENANTHRENE
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
390U	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	BENZO(GHI)PERYLENE
15	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-05
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00
D. NUMBER: T076

UG/KG	ANALYTICAL RESULTS
9.4U	ALPHA-BHC
9.4U	BETA-BHC
9.4U	DELTA-BHC
9.4U	GAMMA-BHC (LINDANE)
9.4U	HEPTACHLOR
9.4U	ALDRIN
9.4U	HEPTACHLOR EPOXIDE
9.4U	ENDOSULFAN I (ALPHA)
19.U	DIELDRIN
19.U	4,4'-DDE (P,P'-DDE)
19.U	ENDRIN
19.U	ENDOSULFAN II (BETA)
19.U	4,4'-DDD (P,P'-DDD)
19.U	ENDOSULFAN SULFATE
19.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
94.U	METHOXYCHLOR
19.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
94.U	GAMMA-CHLORDANE /2
94.U	ALPHA-CHLORDANE /2
190U	TOXAPHENE
94.U	PCB-1016 (AROCLOR 1016)
94.U	PCB-1221 (AROCLOR 1221)
94.U	PCB-1232 (AROCLOR 1232)
94.U	PCB-1242 (AROCLOR 1242)
94.U	PCB-1248 (AROCLOR 1248)
190U	PCB-1254 (AROCLOR 1254)
190U	PCB-1260 (AROCLOR 1260)
15	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T063

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
15	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL POWER, BARRY SP
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T063

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390UJ	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
[redacted]	
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
[redacted]	
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4 NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
[redacted]	
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
[redacted]	
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	BENZO(GHI)PERYLENE
15	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00
D. NUMBER: T063

UG/KG	ANALYTICAL RESULTS
9.2U	ALPHA-BHC
[redacted]	
9.2U	DELTA-BHC
9.2U	GAMMA-BHC (LINDANE)
9.2U	HEPTACHLOR
9.2U	ALDRIN
9.2U	HEPTACHLOR EPOXIDE
9.2U	ENDOSULFAN I (ALPHA)
18 U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18 U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
92.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
92.U	GAMMA-CHLORDANE /2
92.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
92.U	PCB-1016 (AROCLOR 1016)
92.U	PCB-1221 (AROCLOR 1221)
92.U	PCB-1232 (AROCLOR 1232)
92.U	PCB 1242 (AROCLOR 1242)
92.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
15	PERCENT MOISTURE

FOOTNOTES
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T066

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
20U	METHYLENE CHLORIDE
14U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
29	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T066

UG/KG	ANALYTICAL RESULTS
460U	PHENOL
460UR	BIS(2-CHLOROETHYL) ETHER
460UJ	2-CHLOROPHENOL
460U	1,3-DICHLOROBENZENE
460U	1,4-DICHLOROBENZENE
460U	BENZYL ALCOHOL
460U	1,2-DICHLOROBENZENE
460U	2-METHYLPHENOL
460U	BIS(2-CHLOROISOPROPYL) ETHER
460U	(3-AND/OR 4-)METHYLPHENOL
460U	N-NITROSODI-N-PROPYLAMINE
460UR	HEXACHLOROETHANE
460U	NITROBENZENE
460U	ISOPHORONE
460U	2-NITROPHENOL
460U	2,4-DIMETHYLPHENOL
2300U	BENZOIC ACID
460U	BIS(2-CHLOROETHOXY) METHANE
460U	2,4-DICHLOROPHENOL
460U	1,2,4-TRICHLOROBENZENE
110J	NAPHTHALENE
460U	4-CHLOROANILINE
460U	HEXACHLOROBUTADIENE
460U	4-CHLORO-3-METHYLPHENOL
130J	2-METHYLNAPHTHALENE
460U	HEXACHLOROCYCLOPENTADIENE (HCCP)
460U	2,4,6-TRICHLOROPHENOL
2300U	2,4,5-TRICHLOROPHENOL
460U	2-CHLORONAPHTHALENE
2300U	2-NITROANILINE
460U	DIMETHYL PHTHALATE
460U	ACENAPHTHYLENE
460U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2300U	3-NITROANILINE
460U	ACENAPHTHENE
2300U	2,4-DINITROPHENOL
2300U	4-NITROPHENOL
460U	DIBENZOFURAN
460U	2,4-DINITROTOLUENE
460U	DIETHYL PHTHALATE
460U	4-CHLOROPHENYL PHENYL ETHER
460U	FLUORENE
2300U	4 NITROANILINE
2300U	2-METHYL-4,6-DINITROPHENOL
460U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
460U	4-BROMOPHENYL PHENYL ETHER
460U	HEXACHLOROBENZENE (HCB)
2300U	PENTACHLOROPHENOL
370J	PHENANTHRENE
460U	ANTHRACENE
460U	DI-N-BUTYLPHTHALATE
410J	FLUORANTHENE
460U	PYRENE
460U	BENZYL BUTYL PHTHALATE
930U	3,3'-DICHLOROBENZIDINE
460U	BENZO(A)ANTHRACENE
460U	CHRYSENE
460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	DI-N-OCTYLPHTHALATE
460U	BENZO(B AND/OR K)FLUORANTHENE
460U	BENZO-A-PYRENE
460U	INDENO (1,2,3-CD) PYRENE
460U	DIBENZO(A,H)ANTHRACENE
460U	BENZO(GHI)PERYLENE
29	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SB-02 COLLECTION START: 05/01/90 0815 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T066 MD NO: T066 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

40000J 13 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
D. NUMBER: T066

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
19.	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
22.U	DIELDRIN
22.U	4,4'-DDE (P,P'-DDE)
22.U	ENDRIN
22.U	ENDOSULFAN II (BETA)
22.U	4,4'-DDD (P,P'-DDD)
22.U	ENDOSULFAN SULFATE
22.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
22.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
220U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
220U	PCB-1254 (AROCLOR 1254)
220U	PCB-1260 (AROCLOR 1260)
29	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T069

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
60U	METHYLENE CHLORIDE
30U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
25	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T069

UG/KG	ANALYTICAL RESULTS
440U	PHENOL
440UR	BIS(2-CHLOROETHYL) ETHER
440UJ	2-CHLOROPHENOL
440U	1,3-DICHLOROBENZENE
440U	1,4-DICHLOROBENZENE
440U	BENZYL ALCOHOL
440U	1,2-DICHLOROBENZENE
440U	2-METHYLPHENOL
440U	BIS(2-CHLOROISOPROPYL) ETHER
440U	(3-AND/OR 4-)METHYLPHENOL
440U	N-NITROSODI-N-PROPYLAMINE
440UR	HEXACHLOROETHANE
440U	NITROBENZENE
440U	ISOPHORONE
440U	2-NITROPHENOL
440U	2,4-DIMETHYLPHENOL
2100UR	BENZOIC ACID
440U	BIS(2-CHLOROETHOXY) METHANE
440U	2,4-DICHLOROPHENOL
440U	1,2,4-TRICHLOROBENZENE
440U	NAPHTHALENE
440U	4-CHLOROANILINE
440U	HEXACHLOROBUTADIENE
440U	4-CHLORO-3-METHYLPHENOL
440U	2-METHYLNAPHTHALENE
440U	HEXACHLOROCYCLOPENTADIENE (HCCP)
440U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
440U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
440U	DIMETHYL PHTHALATE
440U	ACENAPHTHYLENE
440U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
440U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
440U	DIBENZOFURAN
440U	2,4-DINITROTOLUENE
440U	DIETHYL PHTHALATE
440U	4-CHLOROPHENYL PHENYL ETHER
440U	FLUORENE
2100U	4 NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
440U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440U	4-BROMOPHENYL PHENYL ETHER
440U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
440U	PHENANTHRENE
440U	ANTHRACENE
52J	DI-N-BUTYLPHTHALATE
440U	FLUORANTHENE
440U	PYRENE
440U	BENZYL BUTYL PHTHALATE
880U	3,3'-DICHLOROBENZIDINE
440U	BENZO(A)ANTHRACENE
440U	CHRYSENE
440U	BIS(2-ETHYLHEXYL) PHTHALATE
440U	DI-N-OCTYLPHTHALATE
440U	BENZO(B AND/OR K)FLUORANTHENE
440U	BENZO-A-PYRENE
440U	INDENO (1,2,3-CD) PYRENE
440U	DIBENZO(A,H)ANTHRACENE
440U	BENZO(GHI)PERYLENE
25	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00
D. NUMBER: T069

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
25	PERCENT MOISTURE

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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*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T072

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
30U	METHYLENE CHLORIDE
30U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
28	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

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** PROJECT NO. 90-435    SAMPLE NO. 45706  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN          **
** SOURCE: AL. POWER, BARRY SP                                      CITY: BUCKS                 ST: AL                **
** STATION ID: SB-04                                                COLLECTION START: 05/01/90  1020   STOP: 00/00/00 **
**                                                                                                                    **
** CASE NO.: 14001                          SAS NO.:                D. NO.: T072                                      **
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UG/KG	ANALYTICAL RESULTS
460U	PHENOL
460UR	BIS(2-CHLOROETHYL) ETHER
460UJ	2-CHLOROPHENOL
460U	1,3-DICHLOROBENZENE
460U	1,4-DICHLOROBENZENE
460U	BENZYL ALCOHOL
460U	1,2-DICHLOROBENZENE
460U	2-METHYLPHENOL
460U	BIS(2-CHLOROISOPROPYL) ETHER
460U	(3-AND/OR 4-)METHYLPHENOL
460U	N-NITROSODI-N-PROPYLAMINE
460UR	HEXACHLOROETHANE
460U	NITROBENZENE
460U	ISOPHORONE
460U	2-NITROPHENOL
460U	2,4-DIMETHYLPHENOL
2200U	BENZOIC ACID
460U	BIS(2-CHLOROETHOXY) METHANE
460U	2,4-DICHLOROPHENOL
460U	1,2,4-TRICHLOROBENZENE
460U	NAPHTHALENE
460U	4-CHLOROANILINE
460U	HEXACHLOROBUTADIENE
460U	4-CHLORO-3-METHYLPHENOL
460U	2-METHYLNAPHTHALENE
460U	HEXACHLOROCYCLOPENTADIENE (HCCP)
460U	2,4,6-TRICHLOROPHENOL
2200U	2,4,5-TRICHLOROPHENOL
460U	2-CHLORONAPHTHALENE
2200U	2-NITROANILINE
460U	DIMETHYL PHTHALATE
460U	ACENAPHTHYLENE
460U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2200U	3-NITROANILINE
460U	ACENAPHTHENE
2200U	2,4-DINITROPHENOL
2200U	4-NITROPHENOL
460U	DIBENZOFURAN
460U	2,4-DINITROTOLUENE
460U	DIETHYL PHTHALATE
460U	4-CHLOROPHENYL PHENYL ETHER
460U	FLUORENE
2200U	4-NITROANILINE
2200U	2-METHYL-4,6-DINITROPHENOL
460U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
460U	4-BROMOPHENYL PHENYL ETHER
460U	HEXACHLOROBENZENE (HCB)
2200U	PENTACHLOROPHENOL
460U	PHENANTHRENE
460U	ANTHRACENE
460U	DI-N-BUTYLPHTHALATE
460U	FLUORANTHENE
460U	PYRENE
460U	BENZYL BUTYL PHTHALATE
920U	3,3'-DICHLOROBENZIDINE
460U	BENZO(A)ANTHRACENE
460U	CHRYSENE
460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	DI-N-OCTYLPHTHALATE
460U	BENZO(B AND/OR K)FLUORANTHENE
460U	BENZO-A-PYRENE
460U	INDENO (1,2,3-CD) PYRENE
460U	DIBENZO(A,H)ANTHRACENE
460U	BENZO(GHI)PERYLENE
28	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04
CASE.NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00
D. NO.: T072 MD NO: T072

ANALYTICAL RESULTS UG/KG

700J 1 UNIDENTIFIED COMPOUND

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00
D. NUMBER: T072

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
22.U	DIELDRIN
22.U	4,4'-DDE (P,P'-DDE)
22.U	ENDRIN
22.U	ENDOSULFAN II (BETA)
22.U	4,4'-DDD (P,P'-DDD)
22.U	ENDOSULFAN SULFATE
22.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
22.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
220U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB-1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
220U	PCB-1254 (AROCLOR 1254)
220U	PCB-1260 (AROCLOR 1260)
28	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T074

UG/KG	ANALYTICAL RESULTS
490U	PHENOL
490UR	BIS(2-CHLOROETHYL) ETHER
490UJ	2-CHLOROPHENOL
490U	1,3-DICHLOROBENZENE
490U	1,4-DICHLOROBENZENE
490U	BENZYL ALCOHOL
490U	1,2-DICHLOROBENZENE
490U	2-METHYLPHENOL
490U	BIS(2-CHLOROISOPROPYL) ETHER
490U	(3-AND/OR 4-)METHYLPHENOL
490U	N-NITROSODI-N-PROPYLAMINE
490UR	HEXACHLOROETHANE
490U	NITROBENZENE
490U	ISOPHORONE
490U	2-NITROPHENOL
490U	2,4-DIMETHYLPHENOL
2400U	BENZOIC ACID
490U	BIS(2-CHLOROETHOXY) METHANE
490U	2,4-DICHLOROPHENOL
490U	1,2,4-TRICHLOROBENZENE
490U	NAPHTHALENE
490U	4-CHLOROANILINE
490U	HEXACHLOROBUTADIENE
490U	4-CHLORO-3-METHYLPHENOL
490U	2-METHYLNAPHTHALENE
490U	HEXACHLOROCYCLOPENTADIENE (HCCP)
490U	2,4,6-TRICHLOROPHENOL
2400U	2,4,5-TRICHLOROPHENOL
490U	2-CHLORONAPHTHALENE
2400U	2-NITROANILINE
490U	DIMETHYL PHTHALATE
490U	ACENAPHTHYLENE
490U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2400U	3-NITROANILINE
490U	ACENAPHTHENE
2400U	2,4-DINITROPHENOL
2400U	4-NITROPHENOL
490U	DIBENZOFURAN
490U	2,4-DINITROTOLUENE
490U	DIETHYL PHTHALATE
490U	4-CHLOROPHENYL PHENYL ETHER
490U	FLUORENE
2400U	4-NITROANILINE
2400U	2-METHYL-4,6-DINITROPHENOL
490U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
490U	4-BROMOPHENYL PHENYL ETHER
490U	HEXACHLOROBENZENE (HCB)
2400U	PENTACHLOROPHENOL
[redacted]	
490U	ANTHRACENE
490U	DI-N-BUTYLPHTHALATE
490U	FLUORANTHENE
[redacted]	
490U	BENZYL BUTYL PHTHALATE
990U	3,3'-DICHLOROBENZIDINE
490U	BENZO(A)ANTHRACENE
490U	CHRYSENE
490U	BIS(2-ETHYLHEXYL) PHTHALATE
490U	DI-N-OCTYLPHTHALATE
490U	BENZO(B AND/OR K)FLUORANTHENE
490U	BENZO-A-PYRENE
490U	INDENO (1,2,3-CD) PYRENE
490U	DIBENZO(A,H)ANTHRACENE
490U	BENZO(GHI)PERYLENE
33	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
D. NUMBER: T074

UG/KG	ANALYTICAL RESULTS
12.U	ALPHA-BHC
12.U	BETA-BHC
12.U	DELTA-BHC
12.U	GAMMA-BHC (LINDANE)
12.U	HEPTACHLOR
12.U	ALDRIN
12.U	HEPTACHLOR EPOXIDE
12.U	ENDOSULFAN I (ALPHA)
24.U	DIELDRIN
24.U	4,4'-DDE (P,P'-DDE)
24.U	ENDRIN
24.U	ENDOSULFAN II (BETA)
24.U	4,4'-DDD (P,P'-DDD)
24.U	ENDOSULFAN SULFATE
24.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
120U	METHOXYCHLOR
24.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
120U	GAMMA-CHLORDANE /2
120U	ALPHA-CHLORDANE /2
240U	TOXAPHENE
120U	PCB-1016 (AROCLOR 1016)
120U	PCB-1221 (AROCLOR 1221)
120U	PCB-1232 (AROCLOR 1232)
120U	PCB-1242 (AROCLOR 1242)
120U	PCB-1248 (AROCLOR 1248)
240U	PCB-1254 (AROCLOR 1254)
240U	PCB-1260 (AROCLOR 1260)
33	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T074

UG/KG	ANALYTICAL RESULTS
15U	CHLOROMETHANE
15U	BROMOMETHANE
15U	VINYL CHLORIDE
15U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
15U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
15U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
15U	METHYL ISOBUTYL KETONE
15U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
33	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-01 COLLECTION START: 05/01/90 0815 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T074 MD NO: T074

ANALYTICAL RESULTS UG/KG

7000J 6 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T075

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
40U	METHYLENE CHLORIDE
300U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13UR	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
25	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T075

UG/KG	ANALYTICAL RESULTS
440U	PHENOL
440UR	BIS(2-CHLOROETHYL) ETHER
440UJ	2-CHLOROPHENOL
440U	1,3-DICHLOROBENZENE
440U	1,4-DICHLOROBENZENE
440U	BENZYL ALCOHOL
440U	1,2-DICHLOROBENZENE
440U	2-METHYLPHENOL
440U	BIS(2-CHLOROISOPROPYL) ETHER
440U	(3-AND/OR 4-)METHYLPHENOL
440U	N-NITROSODI-N-PROPYLAMINE
440UR	HEXACHLOROETHANE
440U	NITROBENZENE
440U	ISOPHORONE
440U	2-NITROPHENOL
440U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
440U	BIS(2-CHLOROETHOXY) METHANE
440U	2,4-DICHLOROPHENOL
440U	1,2,4-TRICHLOROBENZENE
440U	NAPHTHALENE
440U	4-CHLOROANILINE
440U	HEXACHLOROBUTADIENE
440U	4-CHLORO-3-METHYLPHENOL
440U	2-METHYLNAPHTHALENE
440U	HEXACHLOROCYCLOPENTADIENE (HCCP)
440U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
440U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
440U	DIMETHYL PHTHALATE
440U	ACENAPHTHYLENE
440U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
440U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
440U	DIBENZOFURAN
440U	2,4-DINITROTOLUENE
440U	DIETHYL PHTHALATE
440U	4-CHLOROPHENYL PHENYL ETHER
440U	FLUORENE
2100U	4 NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
440U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440U	4-BROMOPHENYL PHENYL ETHER
440U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
440U	PHENANTHRENE
440U	ANTHRACENE
440U	DI-N-BUTYLPHTHALATE
440U	FLUORANTHENE
440U	PYRENE
440U	BENZYL BUTYL PHTHALATE
880U	3,3'-DICHLOROBENZIDINE
440U	BENZO(A)ANTHRACENE
440U	CHRYSENE
440U	BIS(2-ETHYLHEXYL) PHTHALATE
440U	DI-N-OCTYLPHTHALATE
440U	BENZO(B AND/OR K)FLUORANTHENE
440U	BENZO-A-PYRENE
440U	INDENO (1,2,3-CD) PYRENE
440U	DIBENZO(A,H)ANTHRACENE
440U	BENZO(GHI)PERYLENE
25	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00
D. NUMBER: T075

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
25	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T078

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
60U	METHYLENE CHLORIDE
60U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
30	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T078

UG/KG	ANALYTICAL RESULTS
470U	PHENOL
470UR	BIS(2-CHLOROETHYL) ETHER
470UJ	2-CHLOROPHENOL
470U	1,3-DICHLOROBENZENE
470U	1,4-DICHLOROBENZENE
470U	BENZYL ALCOHOL
470U	1,2-DICHLOROBENZENE
470U	2-METHYLPHENOL
470U	BIS(2-CHLOROISOPROPYL) ETHER
470U	(3-AND/OR 4-)METHYLPHENOL
470U	N-NITROSODI-N-PROPYLAMINE
470UR	HEXACHLOROETHANE
470U	NITROBENZENE
470U	ISOPHORONE
470U	2-NITROPHENOL
470U	2,4-DIMETHYLPHENOL
2300UR	BENZOIC ACID
470U	BIS(2-CHLOROETHOXY) METHANE
470U	2,4-DICHLOROPHENOL
470U	1,2,4-TRICHLOROBENZENE
470U	NAPHTHALENE
470U	4-CHLOROANILINE
470U	HEXACHLOROBUTADIENE
470U	4-CHLORO-3-METHYLPHENOL
470U	2-METHYLNAPHTHALENE
470U	HEXACHLOROCYCLOPENTADIENE (HCCP)
470U	2,4,6-TRICHLOROPHENOL
2300U	2,4,5-TRICHLOROPHENOL
470U	2-CHLORONAPHTHALENE
2300U	2-NITROANILINE
470U	DIMETHYL PHTHALATE
470U	ACENAPHTHYLENE
470U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2300U	3-NITROANILINE
470U	ACENAPHTHENE
2300U	2,4-DINITROPHENOL
2300U	4-NITROPHENOL
470U	DIBENZOFURAN
470U	2,4-DINITROTOLUENE
470U	DIETHYL PHTHALATE
470U	4-CHLOROPHENYL PHENYL ETHER
470U	FLUORENE
2300U	4-NITROANILINE
2300U	2-METHYL-4,6-DINITROPHENOL
470U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
470U	4-BROMOPHENYL PHENYL ETHER
470U	HEXACHLOROBENZENE (HCB)
2300U	PENTACHLOROPHENOL
470U	PHENANTHRENE
470U	ANTHRACENE
470U	DI-N-BUTYLPHTHALATE
470U	FLUORANTHENE
470U	PYRENE
470U	BENZYL BUTYL PHTHALATE
940U	3,3'-DICHLOROBENZIDINE
470U	BENZO(A)ANTHRACENE
470U	CHRYSENE
470U	BIS(2-ETHYLHEXYL) PHTHALATE
470U	DI-N-OCTYLPHTHALATE
470U	BENZO(B AND/OR K)FLUORANTHENE
470U	BENZO-A-PYRENE
470U	INDENO (1,2,3-CD) PYRENE
470U	DIBENZO(A,H)ANTHRACENE
470U	BENZO(GHI)PERYLENE
30	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00
D. NUMBER: T078

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
23.U	DIELDRIN
23.U	4,4'-DDE (P,P'-DDE)
23.U	ENDRIN
23.U	ENDOSULFAN II (BETA)
23.U	4,4'-DDD (P,P'-DDD)
23.U	ENDOSULFAN SULFATE
23.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
23.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
230U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
230U	PCB-1254 (AROCLOR 1254)
230U	PCB-1260 (AROCLOR 1260)
30	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T077

UG/KG	ANALYTICAL RESULTS
16U	CHLOROMETHANE
16U	BROMOMETHANE
16U	VINYL CHLORIDE
16U	CHLOROETHANE
50U	METHYLENE CHLORIDE
90U	ACETONE
8U	CARBON DISULFIDE
8U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
8U	1,1-DICHLOROETHANE
8U	1,2-DICHLOROETHENE (TOTAL)
8U	CHLOROFORM
8U	1,2-DICHLOROETHANE
16U	METHYL ETHYL KETONE
8U	1,1,1-TRICHLOROETHANE
8U	CARBON TETRACHLORIDE
16U	VINYL ACETATE
8U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
8U	1,2-DICHLOROPROPANE
8U	CIS-1,3-DICHLOROPROPENE
8U	TRICHLOROETHENE(TRICHLOROETHYLENE)
8U	DIBROMOCHLOROMETHANE
8U	1,1,2-TRICHLOROETHANE
8U	BENZENE
8U	TRANS-1,3-DICHLOROPROPENE
8U	BROMOFORM
16U	METHYL ISOBUTYL KETONE
16U	METHYL BUTYL KETONE
8U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
8U	1,1,2,2-TETRACHLOROETHANE
8U	TOLUENE
8U	CHLOROBENZENE
8U	ETHYL BENZENE
8U	STYRENE
8U	TOTAL XYLENES
39	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T077

UG/KG	ANALYTICAL RESULTS
540U	PHENOL
540UR	BIS(2-CHLOROETHYL) ETHER
540UJ	2-CHLOROPHENOL
540U	1,3-DICHLOROBENZENE
540U	1,4-DICHLOROBENZENE
540U	BENZYL ALCOHOL
540U	1,2-DICHLOROBENZENE
540U	2-METHYLPHENOL
540U	BIS(2-CHLOROISOPROPYL) ETHER
540U	(3-AND/OR 4-)METHYLPHENOL
540U	N-NITROSODI-N-PROPYLAMINE
540UR	HEXACHLOROETHANE
540U	NITROBENZENE
540U	ISOPHORONE
540U	2-NITROPHENOL
540U	2,4-DIMETHYLPHENOL
2600UJ	BENZOIC ACID
540U	BIS(2-CHLOROETHOXY) METHANE
540U	2,4-DICHLOROPHENOL
540U	1,2,4-TRICHLOROBENZENE
540U	NAPHTHALENE
540U	4-CHLOROANILINE
540U	HEXACHLOROBUTADIENE
540U	4-CHLORO-3-METHYLPHENOL
540U	2-METHYLNAPHTHALENE
540U	HEXACHLOROCYCLOPENTADIENE (HCCP)
540U	2,4,6-TRICHLOROPHENOL
2600U	2,4,5-TRICHLOROPHENOL
540U	2-CHLORONAPHTHALENE
2600U	2-NITROANILINE
540U	DIMETHYL PHTHALATE
540U	ACENAPHTHYLENE
540U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2600U	3-NITROANILINE
540U	ACENAPHTHENE
2600U	2,4-DINITROPHENOL
2600U	4-NITROPHENOL
540U	DIBENZOFURAN
540U	2,4-DINITROTOLUENE
540U	DIETHYL PHTHALATE
540U	4-CHLOROPHENYL PHENYL ETHER
540U	FLUORENE
2600U	4 NITROANILINE
2600U	2-METHYL-4,6-DINITROPHENOL
540U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
540U	4-BROMOPHENYL PHENYL ETHER
540U	HEXACHLOROBENZENE (HCB)
2600U	PENTACHLOROPHENOL
62J	PHENANTHRENE
540U	ANTHRACENE
540U	DI-N-BUTYLPHTHALATE
540U	FLUORANTHENE
58J	PYRENE
540U	BENZYL BUTYL PHTHALATE
1100U	3,3'-DICHLOROBENZIDINE
540U	BENZO(A)ANTHRACENE
540U	CHRYSENE
540U	BIS(2-ETHYLHEXYL) PHTHALATE
540U	DI-N-OCTYLPHTHALATE
540U	BENZO(B AND/OR K)FLUORANTHENE
540U	BENZO-A-PYRENE
540U	INDENO (1,2,3-CD) PYRENE
540U	DIBENZO(A,H)ANTHRACENE
540U	BENZO(GHI)PERYLENE
39	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SD-06 COLLECTION START: 04/30/90 1620 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T077 MD NO: T077 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

10000J 12 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00
D. NUMBER: T077

UG/KG	ANALYTICAL RESULTS
13.U	ALPHA-BHC
13.U	BETA-BHC
13.U	DELTA-BHC
13.U	GAMMA-BHC (LINDANE)
13.U	HEPTACHLOR
13.U	ALDRIN
13.U	HEPTACHLOR EPOXIDE
13.U	ENDOSULFAN I (ALPHA)
26.U	DIELDRIN
26.U	4,4'-DDE (P,P'-DDE)
26.U	ENDRIN
26.U	ENDOSULFAN II (BETA)
26.U	4,4'-DDD (P,P'-DDD)
26.U	ENDOSULFAN SULFATE
26.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
130U	METHOXYCHLOR
26.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
130U	GAMMA-CHLORDANE /2
130U	ALPHA-CHLORDANE /2
260U	TOXAPHENE
130U	PCB-1016 (AROCLOR 1016)
130U	PCB-1221 (AROCLOR 1221)
130U	PCB-1232 (AROCLOR 1232)
130U	PCB 1242 (AROCLOR 1242)
130U	PCB-1248 (AROCLOR 1248)
260U	PCB-1254 (AROCLOR 1254)
260U	PCB-1260 (AROCLOR 1260)
39	PERCENT MOISTURE

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T060

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T060

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE: PROG ELEM: NSF COLLECTEDBY: R FRANKLIN
SOURCE: CITY: BUCKS ST: AL
STATION ID: PB-01 COLLECTION START: 04/30/90 0630 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T060 MD NO: T060

ANALYTICAL RESULTS UG/L

10J 1 UNIDENTIFIED COMPOUND

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE: TB
STATION ID: PB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00
D. NUMBER: T060

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: PW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T061

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
10U	ACETONE	5U	BENZENE
5U	CARBON DISULFIDE	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	5U	TOTAL XYLENES

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: PW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T061

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: PW-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1000 STOP: 00/00/00
D. NUMBER: T061

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB-1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

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
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T064

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00
D. NUMBER: T064

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

FOOTNOTES
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T064

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
10U	ACETONE	5U	BENZENE
~~5U~~	~~CARBON DISULFIDE~~	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NO.: 14001 SAS NO.:
PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
D. NO.: T067

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T067

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
D. NUMBER: T067

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T070

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T070

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03
CASE.NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00
D. NO.: T070 MD NO: T070

ANALYTICAL RESULTS UG/L

50J 2 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00
D. NUMBER: T070

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: TW-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1100 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T073

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
~2J	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: TW-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1100 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T073

UG/L	ANALYTICAL RESULTS
17UR	PHENOL
17U	BIS(2-CHLOROETHYL) ETHER
17UR	2-CHLOROPHENOL
17U	1,3-DICHLOROBENZENE
17U	1,4-DICHLOROBENZENE
17U	BENZYL ALCOHOL
17U	1,2-DICHLOROBENZENE
17UR	2-METHYLPHENOL
17U	BIS(2-CHLOROISOPROPYL) ETHER
17UR	(3-AND/OR 4-)METHYLPHENOL
17U	N-NITROSODI-N-PROPYLAMINE
17U	HEXACHLOROETHANE
17U	NITROBENZENE
17U	ISOPHORONE
17UR	2-NITROPHENOL
17UR	2,4-DIMETHYLPHENOL
83UR	BENZOIC ACID
17U	BIS(2-CHLOROETHOXY) METHANE
17UR	2,4-DICHLOROPHENOL
17U	1,2,4-TRICHLOROBENZENE
17U	NAPHTHALENE
17U	4-CHLOROANILINE
17U	HEXACHLOROBUTADIENE
17UR	4-CHLORO-3-METHYLPHENOL
17U	2-METHYLNAPHTHALENE
17U	HEXACHLOROCYCLOPENTADIENE (HCCP)
17UR	2,4,6-TRICHLOROPHENOL
83UR	2,4,5-TRICHLOROPHENOL
17U	2-CHLORONAPHTHALENE
83U	2-NITROANILINE
17UR	DIMETHYL PHTHALATE
17U	ACENAPHTHYLENE
17U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
83U	3-NITROANILINE
17U	ACENAPHTHENE
83UR	2,4-DINITROPHENOL
83UR	4-NITROPHENOL
17U	DIBENZOFURAN
17U	2,4-DINITROTOLUENE
17U	DIETHYL PHTHALATE
17U	4-CHLOROPHENYL PHENYL ETHER
17U	FLUORENE
83U	4 NITROANILINE
83UR	2-METHYL-4,6-DINITROPHENOL
17U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
17U	4-BROMOPHENYL PHENYL ETHER
17U	HEXACHLOROBENZENE (HCB)
83UR	PENTACHLOROPHENOL
17U	PHENANTHRENE
17U	ANTHRACENE
17U	DI-N-BUTYLPHTHALATE
17U	FLUORANTHENE
17U	PYRENE
17U	BENZYL BUTYL PHTHALATE
33U	3,3'-DICHLOROBENZIDINE
17U	BENZO(A)ANTHRACENE
17U	CHRYSENE
17U	BIS(2-ETHYLHEXYL) PHTHALATE
17U	DI-N-OCTYLPHTHALATE
17U	BENZO(B AND/OR K)FLUORANTHENE
17U	BENZO-A-PYRENE
17U	INDENO (1,2,3-CD) PYRENE
17U	DIBENZO(A,H)ANTHRACENE
17U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER. BARRY SP CITY: BUCKS ST: AL **
** STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T073 MD NO: T073 **
** **
*** ***

ANALYTICAL RESULTS UG/L

300J 2 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER. BARRY SP CITY: BUCKS ST: AL
STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: D. NUMBER: T073

UG/L	ANALYTICAL RESULTS
0.050U	ALPHA-BHC
0.050U	BETA-BHC
0.050U	DELTA-BHC
0.050U	GAMMA-BHC (LINDANE)
0.050U	HEPTACHLOR
0.050U	ALDRIN
0.050U	HEPTACHLOR EPOXIDE
0.050U	ENDOSULFAN I (ALPHA)
0.10U	DIELDRIN
0.10U	4,4'-DDE (P,P'-DDE)
0.10U	ENDRIN
0.10U	ENDOSULFAN II (BETA)
0.10U	4,4'-DDD (P,P'-DDD)
0.10U	ENDOSULFAN SULFATE
0.10U	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50U	METHOXYCHLOR
0.10U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50U	GAMMA-CHLORDANE /2
0.50U	ALPHA-CHLORDANE /2
1.0U	TOXAPHENE
0.50U	PCB-1016 (AROCLOR 1016)
0.50U	PCB-1221 (AROCLOR 1221)
0.50U	PCB-1232 (AROCLOR 1232)
0.50U	PCB 1242 (AROCLOR 1242)
0.50U	PCB-1248 (AROCLOR 1248)
1.0U	PCB-1254 (AROCLOR 1254)
1.0U	PCB-1260 (AROCLOR 1260)

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: CITY: BUCKS ST: AL
STATION ID: TW-01 COLLECTION START: 04/30/90 1115 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T064

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
[redacted]	[redacted]	50	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	570	POTASSIUM
1U	BERYLLIUM	[redacted]	[redacted]
1U	CADMIUM	2U	SILVER
6900	CALCIUM	[redacted]	[redacted]
[redacted]	[redacted]	2U	THALLIUM
5U	COBALT	NA	TIN
5UJ	COPPER	16	VANADIUM
5600	IRON	[redacted]	[redacted]
10UJ	LEAD		
1000	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: TW-01 COLLECTION START: 04/30/90 1115 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T064 MD NO: 1064 **

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ —

REMARKS

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-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
MD NUMBER: T067

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
3300	ALUMINUM	1200	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
110J	ARSENIC	91	NICKEL
610	BARIUM	17000	POTASSIUM
1U	BERYLLIUM	14	SELENIUM
1U	CADMIUM	2U	SILVER
140000	CALCIUM	96000	SODIUM
69	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
40UJ	COPPER	16	VANADIUM
17000	IRON	100U	ZINC
30UJ	LEAD		
16000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV.ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE.
STATION ID: TW-02
CASE.NO : 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
D. NO.. T067 MO NO: 1067

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ hrs

REMARKS

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-REGION IV ESD, ATHENS, GA.

07/05/90

METALS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00
MD NUMBER: T070

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
4300	ALUMINUM	2300	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
500	ARSENIC	16	NICKEL
1200	BARIUM	17000	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
180000	CALCIUM	15000	SODIUM
10U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
3U	COPPER	15	VANADIUM
73000	IRON	50U	ZINC
20UJ	LEAD		
31000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

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-REGION IV ESD, ATHENS, GA. 07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: TW-03 COLLECTION START: 04/30/90 1430 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T070 MD NO: T070 **
**   **
*** ***

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED-HG~~ —— ger

REMARKS

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T073

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
22000	ALUMINUM	6000	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
130	ARSENIC	31	NICKEL
120	BARIUM	13000	POTASSIUM
1U	BERYLLIUM	40U	SELENIUM
1U	CADMIUM	2U	SILVER
200000	CALCIUM	15000	SODIUM
37	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
5UJ	COPPER	58	VANADIUM
65000	IRON	80U	ZINC
20UJ	LEAD		
12000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA. 07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T073 MD NO.: T073 **
**
*** ***

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ [handwritten initials]

REMARKS

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER. BARRY SP CITY: BUCKS ST: AL
STATION ID: PW-01 COLLECTION START: 04/30/90 1000 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T061

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
100U	ALUMINUM	33	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
6U	ARSENIC	20U	NICKEL
24U	BARIUM	630	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
710	CALCIUM	27000	SODIUM
4U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
50UJ	COPPER	5U	VANADIUM
2800	IRON	55	ZINC
20UJ	LEAD		
440U	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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***************************************************************************************************
**  PROJECT NO. 90-435    SAMPLE NO. 45689  SAMPLE TYPE: GROUNDWA    PROG ELEM: NSF   COLLECTED BY: R FRANKLIN   **
**  SOURCE. AL. POWER. BARRY SP                                      CITY: BUCKS                ST: AL          **
**  STATION ID: PW-01                                                COLLECTION START: 04/30/90  1000   STOP: 00/00/00  **
**  CASE NO : 14001          SAS NO. :                               D. NO.: T061              MO NO: 1061        **
**                                                                                                              **
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RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RT:AMENDED HOLDING TIME EXCEEDED HG~~ BKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00
MD NUMBER: T060

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
80U	ALUMINUM	2U	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
6U	ARSENIC	13U	NICKEL
24U	BARIUM	360U	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
500U	CALCIUM	460U	SODIUM
3U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
3U	COPPER	5U	VANADIUM
30U	IRON	8U	ZINC
4UJ	LEAD		
440U	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

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-REGION IV ESD, ATHENS, GA

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00
D. NO.: T060 MD NO: 1060

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ pez

REMARKS

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SD-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
MD NUMBER: T074

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7000	ALUMINUM	390	MANGANESE
4.2UJ	ANTIMONY	0.16UR	MERCURY
2.8U	ARSENIC	10	NICKEL
65	BARIUM	680	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
1U	CADMIUM	0.40U	SILVER
2100	CALCIUM	140U	SODIUM
14	CHROMIUM	0.80U	THALLIUM
6.2	COBALT	NA	TIN
6UJ	COPPER	18	VANADIUM
14000J	IRON	40U	ZINC
9U	LEAD	38	PERCENT MOISTURE
1100	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SD-01 COLLECTION START: 05/01/90 0815 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T074 MD NO: T074 **

RESULTS	UNITS	PARAMETER
10U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

METALS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00
MD NUMBER: T075

ANALYTICAL RESULTS

MG/KG	
3100	ALUMINUM
4.2UJ	ANTIMONY
5.7J	ARSENIC
31	BARIUM
0.20U	BERYLLIUM
1U	CADMIUM
5900	CALCIUM
7.6	CHROMIUM
1U	COBALT
6UJ	COPPER
9500J	IRON
6U	LEAD
200	MAGNESIUM
44	MANGANESE
0.12UR	MERCURY
2.6U	NICKEL
200	POTASSIUM
0.80U	SELENIUM
0.40U	SILVER
170U	SODIUM
0.60U	THALLIUM
NA	TIN
11	VANADIUM
20U	ZINC
20	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SD-02 COLLECTION START: 05/01/90 0845 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T075 MD NO: T075 **
**
*** ***

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00
MD NUMBER: T078

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7600	ALUMINUM	160	MANGANESE
4.2UJ	ANTIMONY	0.140R	MERCURY
4UJ	ARSENIC	4.3	NICKEL
40	BARIUM	560	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
1600	CALCIUM	140U	SODIUM
17	CHROMIUM	0.80U	THALLIUM
3.5	COBALT	NA	TIN
3UJ	COPPER	26	VANADIUM
18000J	IRON	20U	ZINC
8U	LEAD	30	PERCENT MOISTURE
810	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE. AL. POWER BARRY SP
STATION ID: SD-03
CASE.NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY. BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP. 00/00/00
D. NO.: T078 MD NO: T078

RESULTS	UNITS	PARAMETER
\ 2.7	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SD-06 COLLECTION START: 04/30/90 1620 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T077 MD NO: T077 **

RESULTS	UNITS	PARAMETER
6.6	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-06 COLLECTION START: 04/30/90 1620 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T077

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3600	ALUMINUM	41	MANGANESE
4.2UJ	ANTIMONY	0.15UR	MERCURY
75J	ARSENIC	9.1	NICKEL
240	BARIUM	2900	POTASSIUM
0.20U	BERYLLIUM	5J	SELENIUM
1U	CADMIUM	0.40U	SILVER
4100	CALCIUM	4000	SODIUM
14	CHROMIUM	2U	THALLIUM
3.5	COBALT	NA	TIN
19J	COPPER	51	VANADIUM
52000J	IRON	20U	ZINC
18	LEAD	35	PERCENT MOISTURE
290	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
MD NUMBER: T062

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
~4500	ALUMINUM	7U	MANGANESE
4.2UJ	ANTIMONY	0.11UR	MERCURY
1.4U	ARSENIC	2.6U	NICKEL
~9.9	BARIUM	~99	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
~370	CALCIUM	120U	SODIUM
~5.7	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NMA	TIN
3UJ	COPPER	~11	VANADIUM
~5200J	IRON	20U	ZINC
5U	LEAD	10	PERCENT MOISTURE
~130	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
D. NO.: T062 MD NO: T062

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-02 COLLECTION START: 04/30/90 1325 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T065

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
2500	ALUMINUM	45	MANGANESE
4.2UJ	ANTIMONY	0.12UR	MERCURY
12J	ARSENIC	9.7	NICKEL
69	BARIUM	330	POTASSIUM
0.20U	BERYLLIUM	1.6UJ	SELENIUM
1U	CADMIUM	0.40U	SILVER
4700	CALCIUM	190U	SODIUM
11	CHROMIUM	0.80U	THALLIUM
3.5	COBALT	NA	TIN
20UJ	COPPER	16	VANADIUM
6600J	IRON	23	ZINC
20U	LEAD	17	PERCENT MOISTURE
380	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER BARRY SP
STATION ID: SS-02
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00
D. NO.: T065 MD NO: 1065

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START 04/30/90 1350 STOP: 00/00/00
MD NUMBER: T068

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
690	ALUMINUM	2.8	MANGANESE
4.2UJ	ANTIMONY	0.11UR	MERCURY
1.4U	ARSENIC	2.6U	NICKEL
4.8U	BARIUM	140	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
140	CALCIUM	110U	SODIUM
2.6	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NA	TIN
2UJ	COPPER	3.3	VANADIUM
690J	IRON	3U	ZINC
3U	LEAD	10	PERCENT MOISTURE
99	MAGNESIUM		

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
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-03
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00
D. NO.: 1068 MD NO: 1068

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00
MD NUMBER: T071

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
8000	ALUMINUM	120	MANGANESE
4.2UJ	ANTIMONY	0.16UR	MERCURY
37J	ARSENIC	12	NICKEL
170	BARIUM	790	POTASSIUM
0.20U	BERYLLIUM	2.5J	SELENIUM
1U	CADMIUM	0.40U	SILVER
2500	CALCIUM	220U	SODIUM
18	CHROMIUM	0.80U	THALLIUM
6.7	COBALT	NA	TIN
20UJ	COPPER	37	VANADIUM
16000J	IRON	30U	ZINC
20U	LEAD	37	PERCENT MOISTURE
640	MAGNESIUM		

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-04 COLLECTION START: 05/01/90 1000 STOP: 00/00/00
CASE NO.: 14001 SAS NO.: D. NO.: T071 MD NO: T071

RESULTS UNITS PARAMETER
3.1 MG/KG CYANIDE

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 QUANTITATION LIMIT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SS-05
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00
MD NUMBER: T076

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
~3500	ALUMINUM	~120	MANGANESE
4.2UJ	ANTIMONY	0.13UR	MERCURY
~27J	ARSENIC	~13	NICKEL
~300	BARIUM	~370	POTASSIUM
0.20U	BERYLLIUM	~4.3J	SELENIUM
1U	CADMIUM	0.40U	SILVER
~3600	CALCIUM	190U	SODIUM
~15	CHROMIUM	0.80U	THALLIUM
~5.6	COBALT	NA	TIN
20UJ	COPPER	~16	VANADIUM
~17000J	IRON	20U	ZINC
5U	LEAD	20	PERCENT MOISTURE
~990	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP	CITY: BUCKS ST: AL
STATION ID: SS-05	COLLECTION START: 04/30/90 1615 STOP: 00/00/00
CASE NO.: 14001 SAS NO.:	D. NO.: T076 MD NO: T076

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00
MD NUMBER: T063

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
6500	ALUMINUM	6.8	MANGANESE
4.2UJ	ANTIMONY	0.10UR	MERCURY
[redacted]	[redacted]	2.6U	NICKEL
15	BARIUM	120	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
[redacted]	[redacted]	0.40U	SILVER
[redacted]	CALCIUM	100U	SODIUM
6.2	CHROMIUM	0.80U	THALLIUM
1.2	COBALT	NA	TIN
3UJ	COPPER	11	VANADIUM
3900J	IRON	20U	ZINC
6U	LEAD	17	PERCENT MOISTURE
240	MAGNESIUM		

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SB-01 COLLECTION START: 04/30/90 1040 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T063 MD NO: T063 **

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
MD NUMBER: T066

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
~9000	ALUMINUM	~690	MANGANESE
4.2UJ	ANTIMONY	0.15UR	MERCURY
~100J	ARSENIC	~150	NICKEL
~240	BARIUM	~1100	POTASSIUM
0.20U	BERYLLIUM	~61J	SELENIUM
~2.1	CADMIUM	0.40U	SILVER
~19000	CALCIUM	~420	SODIUM
~290	CHROMIUM	1U	THALLIUM
~11	COBALT	NA	TIN
~120J	COPPER	~43	VANADIUM
~67000J	IRON	~320	ZINC
~120	LEAD	32	PERCENT MOISTURE
~3200	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER BARRY SP CITY: BUCKS ST: AL **
** STATION ID: SB-02 COLLECTION START: 05/01/90 0815 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T066 MD NO: T066 **
** **
*** ***

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER. BARRY SP
STATION ID: SB-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00
MD NUMBER: T069

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
830	ALUMINUM	5	MANGANESE
4.2UJ	ANTIMONY	0.12UR	MERCURY
6.6J	ARSENIC	2.6U	NICKEL
6.9	BARIUM	75	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
200	CALCIUM	110U	SODIUM
2.3	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NA	TIN
1UJ	COPPER	3.1	VANADIUM
1100J	IRON	2U	ZINC
3U	LEAD	23	PERCENT MOISTURE
90U	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP	CITY: BUCKS ST: AL
STATION ID: SB-03	COLLECTION START: 04/30/90 1405 STOP: 00/00/00
CASE NO.: 14001 SAS NO.:	D. NO.: T069 MD NO.: T069

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

METALS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00
MD NUMBER: T072

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7200	ALUMINUM	45	MANGANESE
4.2UJ	ANTIMONY	0.14UR	MERCURY
20U	ARSENIC	2.6U	NICKEL
24	BARIUM	480	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
1100	CALCIUM	130U	SODIUM
12	CHROMIUM	0.80U	THALLIUM
2U	COBALT	NA	TIN
4UJ	COPPER	19	VANADIUM
7800J	IRON	20U	ZINC
7U	LEAD	26	PERCENT MOISTURE
480	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45706  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN      **
**   SOURCE: AL. POWER. BARRY SP                                      CITY. BUCKS                ST: AL              **
**   STATION ID: SB-04                                                COLLECTION START: 05/01/90  1020   STOP: 00/00/00 **
**   CASE.NO : 14001          SAS NO.:                                D. NO.: T072              MO NO: 1072           **
**                                                                                                                   **
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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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APPENDIX C

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
AL	ALD008148806

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Alabama Power Company - Barry Steam Plant	Highway 43

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Bucks	AL	36512	Mobile		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
31° 00' 19".0	87° 59' 43".0	☑ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (MONTH DAY YEAR)	02 SITE STATUS	03 YEARS OF OPERATION
5 1 90	☑ ACTIVE ☐ INACTIVE	1952 (BEGINNING YEAR) / present (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.
Roger Franklin	Assistant Manager / Director of Technical Coordination	NUS Corp.	(404) 938-7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )

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	08:30	Cloudy and warm

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Dave Roberson	Alabama Power Co.	( )

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (MONTH DAY YEAR)
Betty Ann Pruner	NUS Corp.		(404) 938-7710	11 5 27 90

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
AL	ALD002148800

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 _____
CUBIC YARDS ± 2,798,016 yd³ fly ash
NO. OF DRUMS Unknown #

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

General steam plant waste

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	quantity		
PSD	PESTICIDES	unknown		
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
DSN002	fly ash waste	no CAS#	ash pond	unknown	unknown
DSN001	condenser cooling water	no CAS#	discharge into cool-down canal and Mobile River	unknown	unknown
DSN007	metal-cleaning waste (hydroxyacetic formic acid)	no CAS#	ash pond; later incinerated	unknown	unknown

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	coal		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Don Barton, Alabama Power Company, telephone conversation with Betty Ann Pruner, NUS Corporation, August 31, 1990. Subject: Production processes at Barry Steam Plant.

EPA Potential Hazardous Waste Site Identification and Preliminary Assessment, May 1983.

EPA FORM 2070-13 (7-81)

☆ All discharges listed are permitted under NPDES ALD0002879 as follows, DSN002, DSN001, DSN007

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	ALD082148800

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ✓ J DAMAGE TO FLORA — 02 ✓ OBSERVED (DATE 5/90) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Vegetation was extremely stressed or dead inside the levee of the ash pond, but outside the levee it appeared healthy and thriving.

01 ☐ K DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE 5/90) — ✓ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

No damage to fauna was observed during the sampling investigation.

01 ☐ L CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE 5/90) — ✓ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Although the Mobile River is widely and heavily fished, there have been no reports of contaminated fish.

01 ☐ M UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE ____) — ✓ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED ____ — 04 NARRATIVE DESCRIPTION

All wastes were observed to be well-contained. Area is partially fenced.

01 ☐ N DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE ____) — ✓ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

No damage was noted to offsite property.

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE ____) — ✓ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Barry steam plant has an NPDES Permit (no. AL0000287) for discharge of wastes into the ash pond and into the ~~ash~~ cool-down canal. Barry monitors the discharges; there have been no reports of contamination.

01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE ____) — ✓ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

There ~~are~~ is no record of illegal or unauthorized dumping at the facility except at the 5- to 8-acre landfill which was unpermitted until 1983.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

none

III. TOTAL POPULATION POTENTIALLY AFFECTED: 469 people (0 - 4 mile radius)

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS Corporation Field Logbook No. F4-2225 for Barry Steam Plant, May 1, 1990.

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
AL	ALD082146800

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A GROUNDWATER CONTAMINATION — 02 ✓ OBSERVED (DATE _____) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: wells 32 (8-miles); 43 (4 miles) — 04 NARRATIVE DESCRIPTION

Arsenic was detected in two temporary wells completed at the facility during the May 1990 sampling investigation.

01 B SURFACE WATER CONTAMINATION — 02 OBSERVED (DATE _____) — ✓ POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown — 04 NARRATIVE DESCRIPTION

However, the Mobile River is heavily fished. There are no surface water intakes along the Mobile River within the extended 15-mile migration pathway.

01 C CONTAMINATION OF AIR — 02 OBSERVED (DATE _____) — ✓ POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 469 (4-mile radius) — 04 NARRATIVE DESCRIPTION

Although no air sampling was performed onsite Potential air contamination could occur through releases from the ash pond and the incineration unit.

01 D FIRE EXPLOSIVE CONDITIONS — 02 OBSERVED (DATE _____) — ✓ POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

The steam plant itself in the production of electricity could potentially cause a fire or an explosive condition.

01 E DIRECT CONTACT — 02 OBSERVED (DATE _____) — ✓ POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown — 04 NARRATIVE DESCRIPTION

No incidents of harmful direct contact with hazardous substances have been reported.

01 F CONTAMINATION OF SOIL — 02 ✓ OBSERVED (DATE May 1990) — POTENTIAL — ALLEGED
03 AREA POTENTIALLY AFFECTED: # > 625 (Acres) — 04 NARRATIVE DESCRIPTION

Arsenic, chromium, and lead all were detected at various locations in and around the ash pond.

01 G DRINKING WATER CONTAMINATION — 02 OBSERVED (DATE _____) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: none — 04 NARRATIVE DESCRIPTION

No contamination has been detected in a drinking water well.

01 H WORKER EXPOSURE/INJURY — 02 OBSERVED (DATE _____) — POTENTIAL — ALLEGED
03 WORKERS POTENTIALLY AFFECTED: unknown — 04 NARRATIVE DESCRIPTION

No incidents of worker exposure or injury were described in the file material.

01 I POPULATION EXPOSURE/INJURY — 02 OBSERVED (DATE _____) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 469 (within 4-miles) — 04 NARRATIVE DESCRIPTION

There are no reports of population exposure or injury in the file material.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	ALD062148800

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	ALD0002879	1976	1980 (renewal)	
☐ 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
☐ A SURFACE IMPOUNDMENT	2,798,016	yd³
☐ B PILES		
☐ C DRUMS, ABOVE GROUND	unknown	
☐ D TANK, ABOVE GROUND		
☐ E TANK, BELOW GROUND		
☐ F LANDFILL		
☐ G LANDFARM		
☐ H OPEN DUMP		
☐ I OTHER incinerator (Specify)	unknown	

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 surface treatment (fly ash pond) (Specify)

05 OTHER

- ☑ A BUILDINGS ON SITE: power plant

06 AREA OF SITE: 625 acres

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A ADEQUATE, SECURE ☑ B. MODERATE ☐ C INADEQUATE, POOR ☐ D INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Around the ash pond there is a levee to contain wastes.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES ☑ NO

02 COMMENTS

A security fence surrounds most of the facility, but whether the entire facility is fenced is unknown.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

State files

NUS logbook

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
AL	ALD012148800

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 ☑ wetlands	B ☐	C ☐
D ☑ endangered species along the surface water migration pathway	E ☐	F ☐

03 DISTANCE TO SITE

A 0.25 (mi)
B 3 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ 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 469

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.5 (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
3-8 (ft)	unknown	95 (ft)	(gpd)	☐ YES ☑ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

No municipal wells are located within a 4-mile radius of the facility. The nearest private well is located 0.5 mile from the facility. Residents not served by municipal water rely on private wells (43 within a 0- to 4-mile radius)

10 RECHARGE AREA: ☐ YES ☐ NO — COMMENTS: unknown

11 DISCHARGE AREA: ☐ YES ☐ NO — COMMENTS: unknown

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
Mobile River	☐	0.25 (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 12 (NO. OF PERSONS)	B 45 (NO. OF PERSONS)	C 157 (NO. OF PERSONS)

02 DISTANCE TO NEAREST POPULATION: 0.25 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: _____

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 2 (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))

Land use in the immediate vicinity of the facility is extremely rural, with only 469 people within a 0- to 4-mile radius.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	ALD082148800

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

A. 10^{-2} – 10^{-3} cm/sec ☑ B. 10^{-4} – 10^{-5} cm/sec ☑ C. 10^{-4} – 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Greater 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)	5 (ft)	unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
18 (in)	4.5 (in)	> 3 %	toward river	2 %

09 FLOOD POTENTIAL	10
SITE IS IN 50 YEAR FLOODPLAIN	☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A 0.25 (mi)	B _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species): 0.5 (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 _____ (mi)	B _____ (mi)	C 0.5 (mi)	D _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The Site is located in a low-lying area adjacent to the Mobile River. Wetlands cover the majority of the land mass within a 4-mile radius.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NUS logbook;

Geology write-up for SSI, Phase II

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	A LD08 2148800

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	5	organic analyses: Compu Chem Laboratories	8/90
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL		inorganic analyses: NET Gulf Coast, Inc.	
SOIL	9		8/90
VEGETATION			
OTHER Sediment	3		8/90

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
pH/conductivity meter	
HNu	no significant readings
OVA	

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☑ GROUND ☐ AERIAL

02 IN CUSTODY OF NUS Corp
Name of organization or individual

03 MAPS ☑ YES ☐ NO

04 LOCATION OF MAPS NUS Corp. / Tucker / GA

V. OTHER FIELD DATA COLLECTED Provide narrative description

VI. SOURCES OF INFORMATION Cite specific references, e.g., state files, sample analysis, reports

Sample analyses
NUS Logbook

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EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	ALD082188800

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Alabama Power Co		Same	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
600 North 18th St.			

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
Birmingham	AL	35291			

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

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

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

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)

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
AL	ALD082148800

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME: Same		02 D+B NUMBER	10 NAME: Same		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)

State files

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	ALD082748800

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	Small-quantity generator regulated under NPDES permit no. ALD000287T
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
AL	ALD012148800

II. PAST RESPONSE ACTIVITIES no remedial or response action on site

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	02 SITE NUMBER
AL	AL D082148800

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

III. 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 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	ALD082148800

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION YES ✓ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA Site ~~Identification and~~ Hazardous Waste Identification and Preliminary Assessment, 1983.
state file material

EPA FORM 2070-13 (7-81)

APPENDIX

I. FEEDSTOCKS

CAS Number	Chemical Name
1. 7664-41-7	Ammonia
2. 7440-36-0	Antimony
3. 1309-64-4	Antimony Trioxide
4. 7440-38-2	Arsenic
5. 1327-53-3	Arsenic Trioxide
6. 21109-95-5	Barium Sulfide
7. 7726-95-6	Bromine
8. 106-99-0	Butadiene
9. 7440-43-9	Cadmium
10. 7782-50-5	Chlorine
11. 12737-27-8	Chromite
12. 7440-47-3	Chromium
13. 7440-48-4	Cobalt
14. 1317-38-0	Cupric Oxide
15. 7758-98-7	Cupric Sulfate
16. 1317-39-1	Cuprous Oxide
17. 74-85-1	Ethylene
18. 7647-01-0	Hydrochloric Acid
19. 7664-39-3	Hydrogen Fluoride
20. 1335-25-7	Lead Oxide
21. 7439-97-6	Mercury
22. 74-82-8	Methane
23. 91-20-3	Napthalene
24. 7440-02-0	Nickel
25. 7697-37-2	Nitric Acid
26. 7723-14-0	Phosphorus
27. 7778-50-9	Potassium Dichromate
28. 1310-58-3	Potassium Hydroxide
29. 115-07-1	Propylene
30. 10588-01-9	Sodium Dichromate
31. 1310-73-2	Sodium Hydroxide
32. 7646-78-8	Stannic Chloride
33. 7772-99-8	Stannous Chloride
34. 7664-93-9	Sulfuric Acid
35. 108-88-3	Toluene
36. 1330-20-7	Xylene
37. 7646-85-7	Zinc Chloride
38. 7733-02-0	Zinc Sulfate

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
1. 75-07-0	Acetaldehyde
2. 64-19-7	Acetic Acid
3. 108-24-7	Acetic Anhydride
4. 75-86-5	Acetone Cyanohydrin
5. 506-96-7	Acetyl Bromide
6. 75-36-5	Acetyl Chloride
7. 107-02-8	Acrolein
8. 107-13-1	Acrylonitrile
9. 124-04-9	Adipic Acid
10. 309-00-2	Aldrin
11. 10043-01-3	Aluminum Sulfate
12. 107-18-6	Allyl Alcohol
13. 107-05-1	Allyl Chloride
14. 7664-41-7	Ammonia
15. 631-61-8	Ammonium Acetate
16. 1863-63-4	Ammonium Benzoate
17. 1066-33-7	Ammonium Bicarbonate
18. 7789-09-5	Ammonium Bichromate
19. 1341-49-7	Ammonium Bifluoride
20. 10192-30-0	Ammonium Bisulfite
21. 1111-78-0	Ammonium Carbamate
22. 12125-02-9	Ammonium Chloride
23. 7788-98-9	Ammonium Chromate
24. 3012-65-5	Ammonium Citrate, Dibasic
25. 13826-83-0	Ammonium Fluoborate
26. 12125-01-8	Ammonium Fluoride
27. 1336-21-6	Ammonium Hydroxide
28. 6009-70-7	Ammonium Oxalate
29. 16919-19-0	Ammonium Silicofluoride
30. 7773-06-0	Ammonium Sulfamate
31. 12135-76-1	Ammonium Sulfide
32. 10196-04-0	Ammonium Sulfite
33. 14307-43-8	Ammonium Tartrate
34. 1762-95-4	Ammonium Thiocyanate
35. 7783-18-8	Ammonium Thiosulfate
36. 628-63-7	Amyl Acetate
37. 62-53-3	Aniline
38. 7647-18-9	Antimony Pentachloride
39. 7789-61-9	Antimony Tribromide
40. 10025-91-9	Antimony Trichloride
41. 7783-56-4	Antimony Trifluoride
42. 1309-64-4	Antimony Trioxide
43. 1303-32-8	Arsenic Disulfide
44. 1303-28-2	Arsenic Pentoxide
45. 7784-34-1	Arsenic Trichloride
46. 1327-53-3	Arsenic Trioxide
47. 1303-33-9	Arsenic Trisulfide
48. 542-62-1	Barium Cyanide
49. 71-43-2	Benzene
50. 65-85-0	Benzoic Acid
51. 100-47-0	Benzonitrile
52. 98-88-4	Benzoyl Chloride
53. 100-44-7	Benzyl Chloride
54. 7440-41-7	Beryllium
55. 7787-47-5	Beryllium Chloride
56. 7787-49-7	Beryllium Fluoride
57. 13597-99-4	Beryllium Nitrate
58. 123-86-4	Butyl Acetate
59. 84-74-2	n-Butyl Phthalate
60. 109-73-9	Butylamine
61. 107-92-6	Butyric Acid
62. 543-90-8	Cadimium Acetate
63. 7789-42-6	Cadmium Bromide
64. 10108-64-2	Cadmium Chloride
65. 7778-44-1	Calcium Arsenate
66. 52740-16-6	Calcium Arsenite
67. 75-20-7	Calcium Carbide
68. 13765-19-0	Calcium Chromate
69. 592-01-8	Calcium Cyanide
70. 26264-06-2	Calcium Dodecylbenzene Sulfonate
71. 7778-54-3	Calcium Hypochlorite
72. 133-06-2	Captan
73. 63-25-2	Carbaryl
74. 1563-66-2	Carbofuran
75. 75-15-0	Carbon Disulfide
76. 56-23-5	Carbon Tetrachloride
77. 57-74-9	Chlordane
78. 7782-50-5	Chlorine
79. 108-90-7	Chlorobenzene
80. 67-66-3	Chloroform
81. 7790-94-5	Chlorosulfonic Acid
82. 2921-88-2	Chlorpyrifos
83. 1066-30-4	Chromic Acetate
84. 7738-94-5	Chromic Acid
85. 10101-53-8	Chromic Sulfate
86. 10049-05-5	Chromous Chloride
87. 544-18-3	Cobaltous Formate
88. 14017-41-5	Cobaltous Sulfamate
89. 56-72-4	Coumaphos
90. 1319-77-3	Cresol
91. 4170-30-3	Crotonaldehyde
92. 142-71-2	Cupric Acetate
93. 12002-03-8	Cupric Acetoarsenite
94. 7447-39-4	Cupric Chloride
95. 3251-23-8	Cupric Nitrate
96. 5893-66-3	Cupric Oxalate
97. 7758-98-7	Cupric Sulfate
98. 10380-29-7	Cupric Sulfate Ammoniated
99. 815-82-7	Cupric Tartrate
100. 506-77-4	Cyanogen Chloride
101. 110-82-7	Cyclohexane
102. 94-75-7	2,4-D Acid
103. 94-11-1	2,4-D Esters
104. 50-29-3	DDT
105. 333-41-5	Diazinon
106. 1918-00-9	Dicamba
107. 1194-65-6	Dichlobenil
108. 117-80-6	Dichlone
109. 25321-22-6	Dichlorobenzene (all isomers)
110. 266-38-19-7	Dichloropropane (all isomers)
111. 26952-23-8	Dichloropropene (all isomers)
112. 8003-19-8	Dichloropropene-Dichloropropane Mixture
113. 75-99-0	2-2-Dichloropropionic Acid
114. 62-73-7	Dichlorvos
115. 60-57-1	Dieldrin
116. 109-89-7	Diethylamine
117. 124-40-3	Dimethylamine
118. 25154-54-5	Dinitrobenzene (all isomers)
119. 51-28-5	Dinitrophenol
120. 25321-14-6	Dinitrotoluene (all isomers)
121. 85-00-7	Diquat
122. 298-04-4	Disulfoton
123. 330-54-1	Diuron
124. 27176-87-0	Dodecylbenzenesulfonic Acid
125. 115-29-7	Endosulfan (all isomers)
126. 72-20-8	Endrin and Metabolites
127. 106-89-8	Epichlorohydrin
128. 563-12-2	Ethion
129. 100-41-4	Ethyl Benzene
130. 107-15-3	Ethylenediamine
131. 106-93-4	Ethylene Dibromide
132. 107-06-2	Ethylene Dichloride
133. 60-00-4	EDTA
134. 1185-57-5	Ferric Ammonium Citrate
135. 2944-67-4	Ferric Ammonium Oxalate
136. 7705-08-0	Ferric Chloride

OVERSIZED

DOCUMENT

STATE

SITE ALABAMA POWER CO./BARRY (FIT) [A] RPM/OSC ROGER FRANKLIN (NUS)
PROJECT # 90-435 SHIPWEEK 04/30/90

SOILVOA BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OVOA BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILEXT BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OEXT BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILPEST BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OPEST BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILMET BOOKED	13	DATA RECEIVED	07/16/90	FOR	13	SAMPLES
H2OMET BOOKED	7	DATA RECEIVED	07/16/90	FOR	6	SAMPLES
SOILCN BOOKED	13	DATA RECEIVED	07/16/90	FOR	13	SAMPLES
H2OCN BOOKED	7	DATA RECEIVED	07/16/90	FOR	6	SAMPLES
SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES

OV REQUESTED? F

LAB(CLP/ESD) CLP

SISB/SAS
RECEIVED
JUL 17 1990
EPA - REGION IV
ATLANTA, GA.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISD/SAS
RECEIVED
JUL 17 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 07/06/90

SUBJECT: Results of Metals Analysis;
90-435 AL. POWER, BARRY SP
BUCKS AL
CASE NO: 14001

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: CITY: BUCKS ST: AL
STATION ID: PB-01 COLLECTION START: 04/30/90 0630 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T060

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
80U	ALUMINUM	2U	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
6U	ARSENIC	13U	NICKEL
24U	BARIUM	360U	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
500U	CALCIUM	460U	SODIUM
3U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
3U	COPPER	5U	VANADIUM
30U	IRON	8U	ZINC
4UJ	LEAD		
440U	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: PW-01 COLLECTION START: 04/30/90 1000 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T061

ANALYTICAL RESULTS

UG/L		UG/L	
100U	ALUMINUM	33	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
6U	ARSENIC	20U	NICKEL
24U	BARIUM	630	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
710	CALCIUM	27000	SODIUM
4U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
50UJ	COPPER	5U	VANADIUM
2800	IRON	55	ZINC
20UJ	LEAD		
440U	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14001 SAS NUMBER.

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
MD NUMBER: T062

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
4500	ALUMINUM	7U	MANGANESE
4.2UJ	ANTIMONY	0.11UR	MERCURY
1.4U	ARSENIC	2.6U	NICKEL
9.9	BARIUM	99	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
370	CALCIUM	120U	SODIUM
5.7	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NMA	TIN
30J	COPPER	11	VANADIUM
5200J	IRON	20U	ZINC
5U	LEAD	10	PERCENT MOISTURE
130	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00
MD NUMBER: T063

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
6500	ALUMINUM	6.8	MANGANESE
4.2UJ	ANTIMONY	0.10UR	MERCURY
1.4U	ARSENIC	2.6U	NICKEL
15	BARIUM	120	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
130	CALCIUM	100U	SODIUM
6.2	CHROMIUM	0.80U	THALLIUM
1.2	COBALT	NA	TIN
30J	COPPER	11	VANADIUM
3900J	IRON	20U	ZINC
6U	LEAD	17	PERCENT MOISTURE
240	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00
MD NUMBER: T064

UG/L	ANALYTICAL RESULTS
11000	ALUMINUM
21U	ANTIMONY
6U	ARSENIC
47	BARIUM
1U	BERYLLIUM
1U	CADMIUM
6900	CALCIUM
9U	CHROMIUM
5U	COBALT
50J	COPPER
5600	IRON
10UJ	LEAD
1000	MAGNESIUM

UG/L	ANALYTICAL RESULTS
50	MANGANESE
0.20UR	MERCURY
13U	NICKEL
570	POTASSIUM
4U	SELENIUM
2U	SILVER
24000	SODIUM
2U	THALLIUM
NA	TIN
16	VANADIUM
50U	ZINC

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-02 COLLECTION START: 04/30/90 1325 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T065

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
2500	ALUMINUM	45	MANGANESE
4.20J	ANTIMONY	0.12UR	MERCURY
12J	ARSENIC	9.7	NICKEL
69	BARIUM	330	POTASSIUM
0.20U	BERYLLIUM	1.6UJ	SELENIUM
1U	CADMIUM	0.40U	SILVER
4700	CALCIUM	1900	SODIUM
11	CHROMIUM	0.80U	THALLIUM
3.5	COBALT	NA	TIN
20UJ	COPPER	16	VANADIUM
6600J	IRON	23	ZINC
20U	LEAD	17	PERCENT MOISTURE
380	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00
MD NUMBER: T068

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
690	ALUMINUM	2.8	MANGANESE
4.2UJ	ANTIMONY	0.11UR	MERCURY
1.4U	ARSENIC	2.6U	NICKEL
4.8U	BARIUM	140	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
140	CALCIUM	110U	SODIUM
2.6	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NA	TIN
20J	COPPER	3.3	VANADIUM
690J	IRON	3U	ZINC
3U	LEAD	10	PERCENT MOISTURE
99	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00
MD NUMBER: T069

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
830	ALUMINUM	5	MANGANESE
4.2UJ	ANTIMONY	0.12UR	MERCURY
6.6J	ARSENIC	2.6U	NICKEL
6.9	BARIUM	75	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
200	CALCIUM	110U	SODIUM
2.3	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NA	TIN
10J	COPPER	3.1	VANADIUM
1100J	IRON	2U	ZINC
3U	LEAD	23	PERCENT MOISTURE
90U	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00
MD NUMBER: T070

ANALYTICAL RESULTS

UG/L		UG/L	
4300	ALUMINUM	2300	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
500	ARSENIC	16	NICKEL
1200	BARIUM	17000	POTASSIUM
1U	BERYLLIUM	4U	SELENIUM
1U	CADMIUM	2U	SILVER
180000	CALCIUM	15000	SODIUM
10U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
3U	COPPER	15	VANADIUM
73000	IRON	50U	ZINC
20UJ	LEAD		
31000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-05 COLLECTION START: 04/30/90 1615 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T076

MG/KG		ANALYTICAL RESULTS	MG/KG		ANALYTICAL RESULTS
3500	ALUMINUM		120	MANGANESE	
4.2UJ	ANTIMONY		0.13UR	MERCURY	
27J	ARSENIC		13	NICKEL	
300	BARIUM		370	POTASSIUM	
0.20U	BERYLLIUM		4.3J	SELENIUM	
1U	CADMIUM		0.40U	SILVER	
3600	CALCIUM		190U	SODIUM	
15	CHROMIUM		0.80U	THALLIUM	
5.6	COBALT		NA	TIN	
20UJ	COPPER		16	VANADIUM	
17000J	IRON		20U	ZINC	
5U	LEAD		20	PERCENT MOISTURE	
990	MAGNESIUM				

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00
MD NUMBER: T077

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3600	ALUMINUM	41	MANGANESE
4.2UJ	ANTIMONY	0.15UR	MERCURY
75J	ARSENIC	9.1	NICKEL
240	BARIUM	2900	POTASSIUM
0.20U	BERYLLIUM	5J	SELENIUM
1U	CADMIUM	0.40U	SILVER
4100	CALCIUM	400U	SODIUM
14	CHROMIUM	2U	THALLIUM
3.5	COBALT	NA	TIN
19J	COPPER	51	VANADIUM
52000J	IRON	20U	ZINC
18	LEAD	35	PERCENT MOISTURE
290	MAGNESIUM		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-01 COLLECTION START: 05/01/90 0815 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T074

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7000	ALUMINUM	390	MANGANESE
4.2UJ	ANTIMONY	0.16UR	MERCURY
2.6U	ARSENIC	10	NICKEL
65	BARIUM	680	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
1U	CADMIUM	0.40U	SILVER
2100	CALCIUM	140U	SODIUM
14	CHROMIUM	0.80U	THALLIUM
6.2	COBALT	NA	TIN
60J	COPPER	18	VANADIUM
14000J	IRON	40U	ZINC
9U	LEAD	38	PERCENT MOISTURE
1100	MAGNESIUM		

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-02 COLLECTION START: 05/01/90 0845 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T075

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
3100	ALUMINUM	44	MANGANESE
4.2UJ	ANTIMONY	0.12UR	MERCURY
5.7J	ARSENIC	2.6U	NICKEL
31	BARIUM	200	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
1U	CADMIUM	0.40U	SILVER
5900	CALCIUM	170U	SODIUM
7.6	CHROMIUM	0.80U	THALLIUM
1U	COBALT	NA	TIN
60J	COPPER	11	VANADIUM
9500J	IRON	20U	ZINC
6U	LEAD	20	PERCENT MOISTURE
200	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00
MD NUMBER: T078

ANALYTICAL RESULTS

MG/KG		MG/KG	
7600	ALUMINUM	160	MANGANESE
4.2UJ	ANTIMONY	0.14UR	MERCURY
4UJ	ARSENIC	4.3	NICKEL
40	BARIUM	560	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
1600	CALCIUM	1400	SODIUM
17	CHROMIUM	0.80U	THALLIUM
3.5	COBALT	NA	TIN
30J	COPPER	26	VANADIUM
18000J	IRON	20U	ZINC
8U	LEAD	30	PERCENT MOISTURE
810	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
MD NUMBER: T066

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
9000	ALUMINUM	690	MANGANESE
4.2UJ	ANTIMONY	0.15UR	MERCURY
100J	ARSENIC	150	NICKEL
240	BARIUM	1100	POTASSIUM
0.20U	BERYLLIUM	61J	SELENIUM
2.1	CADMIUM	0.40U	SILVER
19000	CALCIUM	420	SODIUM
290	CHROMIUM	1U	THALLIUM
11	COBALT	NA	TIN
120J	COPPER	43	VANADIUM
67000J	IRON	320	ZINC
120	LEAD	32	PERCENT MOISTURE
3200	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
MD NUMBER: T067

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
3300	ALUMINUM	1200	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
110J	ARSENIC	91	NICKEL
610	BARIUM	17000	POTASSIUM
1U	BERYLLIUM	14	SELENIUM
1U	CADMIUM	2U	SILVER
140000	CALCIUM	26000	SODIUM
69	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
40UJ	COPPER	16	VANADIUM
17000	IRON	100U	ZINC
30UJ	LEAD		
16000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00
MD NUMBER: T071

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
8000	ALUMINUM	120	MANGANESE
4.2UJ	ANTIMONY	0.16UR	MERCURY
37J	ARSENIC	12	NICKEL
170	BARIUM	790	POTASSIUM
0.20U	BERYLLIUM	2.5J	SELENIUM
1U	CADMIUM	0.40U	SILVER
2500	CALCIUM	220U	SODIUM
18	CHROMIUM	0.80U	THALLIUM
6.7	COBALT	NA	TIN
200J	COPPER	37	VANADIUM
16000J	IRON	30U	ZINC
20U	LEAD	37	PERCENT MOISTURE
640	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

07/05/90

METALS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SB-04 COLLECTION START: 05/01/90 1020 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T072

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
7200	ALUMINUM	45	MANGANESE
4.2UJ	ANTIMONY	0.14UR	MERCURY
20U	ARSENIC	2.6U	NICKEL
24	BARIUM	480	POTASSIUM
0.20U	BERYLLIUM	0.80U	SELENIUM
0.20U	CADMIUM	0.40U	SILVER
1100	CALCIUM	130U	SODIUM
12	CHROMIUM	0.80U	THALLIUM
2U	COBALT	NA	TIN
4UJ	COPPER	19	VANADIUM
7800J	IRON	20U	ZINC
7U	LEAD	26	PERCENT MOISTURE
480	MAGNESIUM		

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-REGION IV ESD, ATHENS, GA.

METALS DATA REPORT 07/05/90

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: MD NUMBER: T073

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
22000	ALUMINUM	6000	MANGANESE
21U	ANTIMONY	0.20UR	MERCURY
130	ARSENIC	31	NICKEL
120	BARIUM	13000	POTASSIUM
1U	BERYLLIUM	40U	SELENIUM
1U	CADMIUM	2U	SILVER
200000	CALCIUM	15000	SODIUM
37	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
50J	COPPER	58	VANADIUM
65000	IRON	80U	ZINC
20UJ	LEAD		
42000	MAGNESIUM		

REMARKS
RECOMMENDED HOLDING TIME EXCEEDED-HG

REMARKS

FOOTNOTES
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISD/SAS
RECEIVED
JUL 17 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 07/06/90

SUBJECT: Results of Cyanide Analysis;
90-435 AL. POWER, BARRY SP
BUCKS AL
CASE NO: 14001

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

Cc:

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: PB-01 COLLECTION START: 04/30/90 0630 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T060 MD NO: 1060 **
** **
*** ***

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED-HG~~ 6/13

REMARKS

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45689  SAMPLE TYPE: GROUNDWA    PROG ELEM: NSF   COLLECTED BY: R FRANKLIN              **
**   SOURCE: AL. POWER, BARRY SP                                      CITY: BUCKS                ST: AL                      **
**   STATION ID: PW-01                                                COLLECTION START: 04/30/90  1000   STOP: 00/00/00      **
**   CASE.NO.: 14001           SAS NO.:                               D. NO.: T061               MD NO: 1061                 **
**                                                                                                                           **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ — [handwritten initials]

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: SS-01 COLLECTION START: 04/30/90 1030 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T062 MD NO: 1062 **
**
*** ***

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SB-01 COLLECTION START: 04/30/90 1040 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T063 MD NO: 1063

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE:	CITY: BUCKS ST: AL
STATION ID: TW-01	COLLECTION START: 04/30/90 1115 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.:	D. NO.: T064 MD NO: 1064

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435   SAMPLE NO. 45693  SAMPLE TYPE: SOIL       PROG ELEM: NSF   COLLECTED BY: R FRANKLIN          **
**   SOURCE: AL. POWER, BARRY SP                                    CITY: BUCKS                ST: AL                  **
**   STATION ID: SS-02                                              COLLECTION START: 04/30/90  1325   STOP: 00/00/00  **
**   CASE.NO.: 14001          SAS NO.:                              D. NO.: T065              MD NO: I065              **
**                                                                                                                     **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45694  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                    **
**   SOURCE: AL. POWER, BARRY SP                                      CITY: BUCKS                 ST: AL                             **
**   STATION ID: SS-03                                                COLLECTION START: 04/30/90  1350   STOP: 00/00/00              **
**   CASE.NO.: 14001          SAS NO.:                                D. NO.: T068               MD NO: T068                         **
**                                                                                                                                   **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435   SAMPLE NO. 45695  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN         **
**   SOURCE: AL. POWER, BARRY SP                                     CITY: BUCKS                 ST: AL                 **
**   STATION ID: SB-03                                               COLLECTION START: 04/30/90  1405   STOP: 00/00/00  **
**   CASE NO.: 14001         SAS NO.:                                D. NO.: T069                MD NO: 1069            **
**                                                                                                                      **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: TW-03 COLLECTION START: 04/30/90 1430 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T070 MD NO: T070 **
** **
*** ***

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED HG~~ /sgd

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-05
CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00
D. NO.: T076 MD NO: T076

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45698  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN              **
**   SOURCE: AL. POWER, BARRY SP                                       CITY: BUCKS                  ST: AL                    **
**   STATION ID: SD-06                                                 COLLECTION START: 04/30/90  1620  STOP: 00/00/00       **
**   CASE.NO.: 14001          SAS NO.:                                 D. NO.: T077                MD NO: 1077               **
**                                                                                                                            **
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RESULTS	UNITS	PARAMETER
6.6	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER. BARRY SP	CITY: BUCKS ST: AL
STATION ID: SD-01	COLLECTION START: 05/01/90 0815 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.:	D. NO.: T074 MD NO: I074

RESULTS	UNITS	PARAMETER
10	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435   SAMPLE NO. 45701  SAMPLE TYPE: SOIL      PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                **
**   SOURCE: AL. POWER, BARRY SP                                   CITY: BUCKS                ST: AL                          **
**   STATION ID: SD-02                                             COLLECTION START: 05/01/90  0845   STOP: 00/00/00          **
**   CASE.NO.: 14001          SAS NO.:                             D. NO.: T075               MD NO: 1075                     **
**                                                                                                                            **
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP	CITY: BUCKS ST: AL
STATION ID: SD-03	COLLECTION START: 05/01/90 0910 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.:	D. NO.: T078 MD NO: T078

RESULTS	UNITS	PARAMETER
2.7	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45703  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                **
**   SOURCE: AL. POWER, BARRY SP                                      CITY: BUCKS                  ST: AL                      **
**   STATION ID: SB-02                                                COLLECTION START: 05/01/90  0815   STOP: 00/00/00         **
**   CASE.NO.: 14001          SAS NO.:                                D. NO.: T066                MD NO: 1066                  **
**                                                                                                                              **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45704  SAMPLE TYPE:         PROG ELEM: NSF   COLLECTED BY: R FRANKLIN        **
**   SOURCE.                                                      CITY: BUCKS                ST: AL                **
**   STATION ID: TW-02                                            COLLECTION START: 05/01/90  0900   STOP: 00/00/00 **
**   CASE.NO.: 14001           SAS NO.:                           D. NO.: T067               MD NO: 1067           **
**                                                                                                                 **
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RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED-HG~~

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

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**   PROJECT NO. 90-435   SAMPLE NO. 45705  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN             **
**   SOURCE: AL. POWER, BARRY SP                                     CITY: BUCKS              ST: AL                       **
**   STATION ID: SS-04                                               COLLECTION START: 05/01/90  1000   STOP: 00/00/00     **
**   CASE.NO.: 14001          SAS NO.:                               D. NO.: T071             MD NO: T071                  **
**                                                                                                                          **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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RESULTS	UNITS	PARAMETER
3.1	MG/KG	CYANIDE

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-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 90-435   SAMPLE NO. 45706   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP   CITY: BUCKS   ST: AL
STATION ID: SB-04   COLLECTION START: 05/01/90 1020   STOP: 00/00/00
CASE NO.: 14001   SAS NO.:   D. NO.: T072   MD NO: 1072

RESULTS	UNITS	PARAMETER
2.5U	MG/KG	CYANIDE

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 QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

07/05/90

SPECIFIED ANALYSIS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00 **
** CASE NO.: 14001 SAS NO.: D. NO.: T073 MD NO: T073 **

RESULTS	UNITS	PARAMETER
5UJ	MG/L	CYANIDE

REMARKS
~~RECOMMENDED HOLDING TIME EXCEEDED-HG~~

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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SITE ALABAMA POWER CO./BARRY (FIT) RPM/OSC ROGER FRANKLIN (NJS)
PROJECT # 90-435 SHIPWEEK 04/30/90

SOILVOA BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OVOA BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILEXT BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OEXT BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILPEST BOOKED	13	DATA RECEIVED	06/12/90	FOR	13	SAMPLES
H2OPEST BOOKED	7	DATA RECEIVED	06/12/90	FOR	6	SAMPLES
SOILMET BOOKED	13	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OMET BOOKED	7	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILCN BOOKED	13	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OCN BOOKED	7	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES

QV REQUESTED? F

LAB(CLP/ESD) CLP

SISB/SAS
RECEIVED
JUN 1 0 1990
EPA - REGION IV
ATLANTA, GA.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 1 5 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Purgeable Organic Analysis;
90-435 AL. POWER, BARRY SP
BUCKS AL
CASE NO: 14001

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T060

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: PW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T061

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T062

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
20U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T063

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
15	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T064

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE	5U	1,2-DICHLOROPROPANE
10U	BROMOMETHANE	5U	CIS-1,3-DICHLOROPROPENE
10U	VINYL CHLORIDE	5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10U	CHLOROETHANE	5U	DIBROMOCHLOROMETHANE
5U	METHYLENE CHLORIDE	5U	1,1,2-TRICHLOROETHANE
10U	ACETONE	5U	BENZENE
5U	CARBON DISULFIDE	5U	TRANS-1,3-DICHLOROPROPENE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5U	BROMOFORM
5U	1,1-DICHLOROETHANE	10U	METHYL ISOBUTYL KETONE
5U	1,2-DICHLOROETHENE (TOTAL)	10U	METHYL BUTYL KETONE
5U	CHLOROFORM	5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,2-DICHLOROETHANE	5U	1,1,2,2-TETRACHLOROETHANE
10U	METHYL ETHYL KETONE	5U	TOLUENE
5U	1,1,1-TRICHLOROETHANE	5U	CHLOROBENZENE
5U	CARBON TETRACHLORIDE	5U	ETHYL BENZENE
10U	VINYL ACETATE	5U	STYRENE
5U	BROMODICHLOROMETHANE	5U	TOTAL XYLENES

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T065

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
9U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
17	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T068

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T069

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
60U	METHYLENE CHLORIDE
30U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
25	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T070

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T076

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
50U	METHYLENE CHLORIDE
40U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
1J	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
8U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
15	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T077

UG/KG	ANALYTICAL RESULTS
16U	CHLOROMETHANE
16U	BROMOMETHANE
16U	VINYL CHLORIDE
16U	CHLOROETHANE
50U	METHYLENE CHLORIDE
90U	ACETONE
8U	CARBON DISULFIDE
8U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
8U	1,1-DICHLOROETHANE
8U	1,2-DICHLOROETHENE (TOTAL)
8U	CHLOROFORM
8U	1,2-DICHLOROETHANE
16U	METHYL ETHYL KETONE
8U	1,1,1-TRICHLOROETHANE
8U	CARBON TETRACHLORIDE
16U	VINYL ACETATE
8U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
8U	1,2-DICHLOROPROPANE
8U	CIS-1,3-DICHLOROPROPENE
8U	TRICHLOROETHENE(TRICHLOROETHYLENE)
8U	DIBROMOCHLOROMETHANE
8U	1,1,2-TRICHLOROETHANE
8U	BENZENE
8U	TRANS-1,3-DICHLOROPROPENE
8U	BROMOFORM
16U	METHYL ISOBUTYL KETONE
16U	METHYL BUTYL KETONE
8U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
8U	1,1,2,2-TETRACHLOROETHANE
8U	TOLUENE
8U	CHLOROBENZENE
8U	ETHYL BENZENE
8U	STYRENE
8U	TOTAL XYLENES
39	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T074

UG/KG	ANALYTICAL RESULTS
15U	CHLOROMETHANE
15U	BROMOMETHANE
15U	VINYL CHLORIDE
15U	CHLOROETHANE
40U	METHYLENE CHLORIDE
20U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
15U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
15U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
15U	METHYL ISOBUTYL KETONE
15U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
33	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T075

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
40U	METHYLENE CHLORIDE
300U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13UR	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
25	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0910 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T078

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
60U	METHYLENE CHLORIDE
60U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
30	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T066

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
20U	METHYLENE CHLORIDE
14U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
29	PERCENT MOISTURE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02

CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00

D. NO.: T067

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T071

UG/KG	ANALYTICAL RESULTS
16U	CHLOROMETHANE
16U	BROMOMETHANE
16U	VINYL CHLORIDE
16U	CHLOROETHANE
40U	METHYLENE CHLORIDE
16U	ACETONE
8U	CARBON DISULFIDE
8U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
8U	1,1-DICHLOROETHANE
8U	1,2-DICHLOROETHENE (TOTAL)
8U	CHLOROFORM
8U	1,2-DICHLOROETHANE
16U	METHYL ETHYL KETONE
8U	1,1,1-TRICHLOROETHANE
8U	CARBON TETRACHLORIDE
16U	VINYL ACETATE
8U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
8U	1,2-DICHLOROPROPANE
8U	CIS-1,3-DICHLOROPROPENE
8U	TRICHLOROETHENE(TRICHLOROETHYLENE)
8U	DIBROMOCHLOROMETHANE
8U	1,1,2-TRICHLOROETHANE
8U	BENZENE
8U	TRANS-1,3-DICHLOROPROPENE
8U	BROMOFORM
16U	METHYL ISOBUTYL KETONE
16U	METHYL BUTYL KETONE
8U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
8U	1,1,2,2-TETRACHLOROETHANE
8U	TOLUENE
8U	CHLOROBENZENE
8U	ETHYL BENZENE
8U	STYRENE
8U	TOTAL XYLENES
37	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T072

UG/KG	ANALYTICAL RESULTS
14U	CHLOROMETHANE
14U	BROMOMETHANE
14U	VINYL CHLORIDE
14U	CHLOROETHANE
30U	METHYLENE CHLORIDE
30U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
14U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
14U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
14U	METHYL ISOBUTYL KETONE
14U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
28	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: TW-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1100 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T073

UG/L	ANALYTICAL RESULTS
10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
5U	METHYLENE CHLORIDE
10U	ACETONE
2J	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
5U	1,1-DICHLOROETHANE
5U	1,2-DICHLOROETHENE (TOTAL)
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	METHYL ETHYL KETONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE

UG/L	ANALYTICAL RESULTS
5U	1,2-DICHLOROPROPANE
5U	CIS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE(TRICHLOROETHYLENE)
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	TRANS-1,3-DICHLOROPROPENE
5U	BROMOFORM
10U	METHYL ISOBUTYL KETONE
10U	METHYL BUTYL KETONE
5U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5U	1,1,2,2-TETRACHLOROETHANE
5U	TOLUENE
5U	CHLOROBENZENE
5U	ETHYL BENZENE
5U	STYRENE
5U	TOTAL XYLENES

REMARKS

REMARKS

FOOTNOTES
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 1 5 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Extractable Organic Analysis;
90-435 AL. POWER, BARRY SP
BUCKS AL
CASE NO: 14001

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

cc:

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T060

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4 NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: PW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T061

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
CASE NO.: 14001 SAS NO.: D. NO.: T062

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370UJ	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800UR	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4-NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
370U	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
730U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
10	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SB-01 COLLECTION START: 04/30/90 1040 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T063

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390UJ	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
390U	NAPHTHALENE
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
390U	2-METHYLNAPHTHALENE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
390U	PHENANTHRENE
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
390U	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	BENZO(GHI)PERYLENE
15	PERCENT MOISTURE

REMARKS

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FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T064

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T065

UG/KG	ANALYTICAL RESULTS
400U	PHENOL
400UR	BIS(2-CHLOROETHYL) ETHER
400UJ	2-CHLOROPHENOL
400U	1,3-DICHLOROBENZENE
400U	1,4-DICHLOROBENZENE
400U	BENZYL ALCOHOL
400U	1,2-DICHLOROBENZENE
400U	2-METHYLPHENOL
400U	BIS(2-CHLOROISOPROPYL) ETHER
91J	(3-AND/OR 4-)METHYLPHENOL
400U	N-NITROSODI-N-PROPYLAMINE
400UR	HEXACHLOROETHANE
400U	NITROBENZENE
400U	ISOPHORONE
400U	2-NITROPHENOL
400U	2,4-DIMETHYLPHENOL
1900UR	BENZOIC ACID
400U	BIS(2-CHLOROETHOXY) METHANE
400U	2,4-DICHLOROPHENOL
400U	1,2,4-TRICHLOROBENZENE
50J	NAPHTHALENE
400U	4-CHLOROANILINE
400U	HEXACHLOROBUTADIENE
400U	4-CHLORO-3-METHYLPHENOL
400U	2-METHYLNAPHTHALENE
400U	HEXACHLOROCYCLOPENTADIENE (HCCP)
400U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
400U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
400U	DIMETHYL PHTHALATE
400U	ACENAPHTHYLENE
400U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
400U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
400U	DIBENZOFURAN
400U	2,4-DINITROTOLUENE
400U	DIETHYL PHTHALATE
400U	4-CHLOROPHENYL PHENYL ETHER
400U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
400U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U	4-BROMOPHENYL PHENYL ETHER
400U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
370J	PHENANTHRENE
50J	ANTHRACENE
49J	DI-N-BUTYLPHTHALATE
580	FLUORANTHENE
470	PYRENE
400U	BENZYL BUTYL PHTHALATE
800U	3,3'-DICHLOROBENZIDINE
350J	BENZO(A)ANTHRACENE
390J	CHRYSENE
600U	BIS(2-ETHYLHEXYL) PHTHALATE
400U	DI-N-OCTYLPHTHALATE
680J	BENZO(B AND/OR K)FLUORANTHENE
280J	BENZO-A-PYRENE
150J	INDENO (1,2,3-CD) PYRENE
400U	DIBENZO(A,H)ANTHRACENE
170J	BENZO(GHI)PERYLENE
17	PERCENT MOISTURE

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T068

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370UR	BIS(2-CHLOROETHYL) ETHER
370UJ	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800UJ	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4 NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800U	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
130J	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
730U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
10	PERCENT MOISTURE

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T069

UG/KG	ANALYTICAL RESULTS
440U	PHENOL
440UR	BIS(2-CHLOROETHYL) ETHER
440UJ	2-CHLOROPHENOL
440U	1,3-DICHLOROBENZENE
440U	1,4-DICHLOROBENZENE
440U	BENZYL ALCOHOL
440U	1,2-DICHLOROBENZENE
440U	2-METHYLPHENOL
440U	BIS(2-CHLOROISOPROPYL) ETHER
440U	(3-AND/OR 4-)METHYLPHENOL
440U	N-NITROSODI-N-PROPYLAMINE
440UR	HEXACHLOROETHANE
440U	NITROBENZENE
440U	ISOPHORONE
440U	2-NITROPHENOL
440U	2,4-DIMETHYLPHENOL
2100UR	BENZOIC ACID
440U	BIS(2-CHLOROETHOXY) METHANE
440U	2,4-DICHLOROPHENOL
440U	1,2,4-TRICHLOROBENZENE
440U	NAPHTHALENE
440U	4-CHLOROANILINE
440U	HEXACHLOROBUTADIENE
440U	4-CHLORO-3-METHYLPHENOL
440U	2-METHYLNAPHTHALENE
440U	HEXACHLOROCYCLOPENTADIENE (HCCP)
440U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
440U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
440U	DIMETHYL PHTHALATE
440U	ACENAPHTHYLENE
440U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
440U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
440U	DIBENZOFURAN
440U	2,4-DINITROTOLUENE
440U	DIETHYL PHTHALATE
440U	4-CHLOROPHENYL PHENYL ETHER
440U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
440U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440U	4-BROMOPHENYL PHENYL ETHER
440U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
440U	PHENANTHRENE
440U	ANTHRACENE
52J	DI-N-BUTYLPHTHALATE
440U	FLUORANTHENE
440U	PYRENE
440U	BENZYL BUTYL PHTHALATE
880U	3,3'-DICHLOROBENZIDINE
440U	BENZO(A)ANTHRACENE
440U	CHRYSENE
440U	BIS(2-ETHYLHEXYL) PHTHALATE
440U	DI-N-OCTYLPHTHALATE
440U	BENZO(B AND/OR K)FLUORANTHENE
440U	BENZO-A-PYRENE
440U	INDENO (1,2,3-CD) PYRENE
440U	DIBENZO(A,H)ANTHRACENE
440U	BENZO(GHI)PERYLENE
25	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE:
SOURCE:
STATION ID: TW-03

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1430 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T070

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-05

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1615 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T076

UG/KG	ANALYTICAL RESULTS
390U	PHENOL
390UR	BIS(2-CHLOROETHYL) ETHER
390UJ	2-CHLOROPHENOL
390U	1,3-DICHLOROBENZENE
390U	1,4-DICHLOROBENZENE
390U	BENZYL ALCOHOL
390U	1,2-DICHLOROBENZENE
390U	2-METHYLPHENOL
390U	BIS(2-CHLOROISOPROPYL) ETHER
390U	(3-AND/OR 4-)METHYLPHENOL
390U	N-NITROSODI-N-PROPYLAMINE
390UR	HEXACHLOROETHANE
390U	NITROBENZENE
390U	ISOPHORONE
390U	2-NITROPHENOL
390U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
390U	BIS(2-CHLOROETHOXY) METHANE
390U	2,4-DICHLOROPHENOL
390U	1,2,4-TRICHLOROBENZENE
390U	NAPHTHALENE
390U	4-CHLOROANILINE
390U	HEXACHLOROBUTADIENE
390U	4-CHLORO-3-METHYLPHENOL
390U	2-METHYLNAPHTHALENE
390U	HEXACHLOROCYCLOPENTADIENE (HCCP)
390U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
390U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
390U	DIMETHYL PHTHALATE
390U	ACENAPHTHYLENE
390U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
390U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
390U	DIBENZOFURAN
390U	2,4-DINITROTOLUENE
390U	DIETHYL PHTHALATE
390U	4-CHLOROPHENYL PHENYL ETHER
390U	FLUORENE
1900U	4 NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
390U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U	4-BROMOPHENYL PHENYL ETHER
390U	HEXACHLOROBENZENE (HCB)
1900U	PENTACHLOROPHENOL
390U	PHENANTHRENE
390U	ANTHRACENE
390U	DI-N-BUTYLPHTHALATE
390U	FLUORANTHENE
390U	PYRENE
390U	BENZYL BUTYL PHTHALATE
780U	3,3'-DICHLOROBENZIDINE
390U	BENZO(A)ANTHRACENE
390U	CHRYSENE
390U	BIS(2-ETHYLHEXYL) PHTHALATE
390U	DI-N-OCTYLPHTHALATE
390U	BENZO(B AND/OR K)FLUORANTHENE
390U	BENZO-A-PYRENE
390U	INDENO (1,2,3-CD) PYRENE
390U	DIBENZO(A,H)ANTHRACENE
390U	BENZO(GHI)PERYLENE
15	PERCENT MOISTURE

REMARKS

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FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T077

UG/KG	ANALYTICAL RESULTS
540U	PHENOL
540UR	BIS(2-CHLOROETHYL) ETHER
540UJ	2-CHLOROPHENOL
540U	1,3-DICHLOROBENZENE
540U	1,4-DICHLOROBENZENE
540U	BENZYL ALCOHOL
540U	1,2-DICHLOROBENZENE
540U	2-METHYLPHENOL
540U	BIS(2-CHLOROISOPROPYL) ETHER
540U	(3-AND/OR 4-)METHYLPHENOL
540U	N-NITROSODI-N-PROPYLAMINE
540UR	HEXACHLOROETHANE
540U	NITROBENZENE
540U	ISOPHORONE
540U	2-NITROPHENOL
540U	2,4-DIMETHYLPHENOL
2600UJ	BENZOIC ACID
540U	BIS(2-CHLOROETHOXY) METHANE
540U	2,4-DICHLOROPHENOL
540U	1,2,4-TRICHLOROBENZENE
540U	NAPHTHALENE
540U	4-CHLOROANILINE
540U	HEXACHLOROBUTADIENE
540U	4-CHLORO-3-METHYLPHENOL
540U	2-METHYLNAPHTHALENE
540U	HEXACHLOROCYCLOPENTADIENE (HCCP)
540U	2,4,6-TRICHLOROPHENOL
2600U	2,4,5-TRICHLOROPHENOL
540U	2-CHLORONAPHTHALENE
2600U	2-NITROANILINE
540U	DIMETHYL PHTHALATE
540U	ACENAPHTHYLENE
540U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2600U	3-NITROANILINE
540U	ACENAPHTHENE
2600U	2,4-DINITROPHENOL
2600U	4-NITROPHENOL
540U	DIBENZOFURAN
540U	2,4-DINITROTOLUENE
540U	DIETHYL PHTHALATE
540U	4-CHLOROPHENYL PHENYL ETHER
540U	FLUORENE
2600U	4-NITROANILINE
2600U	2-METHYL-4,6-DINITROPHENOL
540U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
540U	4-BROMOPHENYL PHENYL ETHER
540U	HEXACHLOROBENZENE (HCB)
2600U	PENTACHLOROPHENOL
62J	PHENANTHRENE
540U	ANTHRACENE
540U	DI-N-BUTYLPHTHALATE
540U	FLUORANTHENE
58J	PYRENE
540U	BENZYL BUTYL PHTHALATE
1100U	3,3'-DICHLOROBENZIDINE
540U	BENZO(A)ANTHRACENE
540U	CHRYSENE
540U	BIS(2-ETHYLHEXYL) PHTHALATE
540U	DI-N-OCTYLPHTHALATE
540U	BENZO(B AND/OR K)FLUORANTHENE
540U	BENZO-A-PYRENE
540U	INDENO (1,2,3-CD) PYRENE
540U	DIBENZO(A,H)ANTHRACENE
540U	BENZO(GHI)PERYLENE
39	PERCENT MOISTURE

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T074

UG/KG	ANALYTICAL RESULTS
490U	PHENOL
490UR	BIS(2-CHLOROETHYL) ETHER
490UJ	2-CHLOROPHENOL
490U	1,3-DICHLOROBENZENE
490U	1,4-DICHLOROBENZENE
490U	BENZYL ALCOHOL
490U	1,2-DICHLOROBENZENE
490U	2-METHYLPHENOL
490U	BIS(2-CHLOROISOPROPYL) ETHER
490U	(3-AND/OR 4-)METHYLPHENOL
490U	N-NITROSODI-N-PROPYLAMINE
490UR	HEXACHLOROETHANE
490U	NITROBENZENE
490U	ISOPHORONE
490U	2-NITROPHENOL
490U	2,4-DIMETHYLPHENOL
2400U	BENZOIC ACID
490U	BIS(2-CHLOROETHOXY) METHANE
490U	2,4-DICHLOROPHENOL
490U	1,2,4-TRICHLOROBENZENE
490U	NAPHTHALENE
490U	4-CHLOROANILINE
490U	HEXACHLOROBUTADIENE
490U	4-CHLORO-3-METHYLPHENOL
490U	2-METHYLNAPHTHALENE
490U	HEXACHLOROCYCLOPENTADIENE (HCCP)
490U	2,4,6-TRICHLOROPHENOL
2400U	2,4,5-TRICHLOROPHENOL
490U	2-CHLORONAPHTHALENE
2400U	2-NITROANILINE
490U	DIMETHYL PHTHALATE
490U	ACENAPHTHYLENE
490U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2400U	3-NITROANILINE
490U	ACENAPHTHENE
2400U	2,4-DINITROPHENOL
2400U	4-NITROPHENOL
490U	DIBENZOFURAN
490U	2,4-DINITROTOLUENE
490U	DIETHYL PHTHALATE
490U	4-CHLOROPHENYL PHENYL ETHER
490U	FLUORENE
2400U	4-NITROANILINE
2400U	2-METHYL-4,6-DINITROPHENOL
490U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
490U	4-BROMOPHENYL PHENYL ETHER
490U	HEXACHLOROBENZENE (HCB)
2400U	PENTACHLOROPHENOL
490U	PHENANTHRENE
490U	ANTHRACENE
490U	DI-N-BUTYLPHTHALATE
490U	FLUORANTHENE
490U	PYRENE
490U	BENZYL BUTYL PHTHALATE
990U	3,3'-DICHLOROBENZIDINE
490U	BENZO(A)ANTHRACENE
490U	CHRYSENE
490U	BIS(2-ETHYLHEXYL) PHTHALATE
490U	DI-N-OCTYLPHTHALATE
490U	BENZO(B AND/OR K)FLUORANTHENE
490U	BENZO-A-PYRENE
490U	INDENO (1,2,3-CD) PYRENE
490U	DIBENZO(A,H)ANTHRACENE
490U	BENZO(GHI)PERYLENE
33	PERCENT MOISTURE

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
** SOURCE: AL. POWER, BARRY SP
** STATION ID: SD-02
**
** CASE NO.: 14001 SAS NO.:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00
D. NO.: T075

UG/KG	ANALYTICAL RESULTS
440U	PHENOL
440UR	BIS(2-CHLOROETHYL) ETHER
440UJ	2-CHLOROPHENOL
440U	1,3-DICHLOROBENZENE
440U	1,4-DICHLOROBENZENE
440U	BENZYL ALCOHOL
440U	1,2-DICHLOROBENZENE
440U	2-METHYLPHENOL
440U	BIS(2-CHLOROISOPROPYL) ETHER
440U	(3-AND/OR 4-)METHYLPHENOL
440U	N-NITROSODI-N-PROPYLAMINE
440UR	HEXACHLOROETHANE
440U	NITROBENZENE
440U	ISOPHORONE
440U	2-NITROPHENOL
440U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
440U	BIS(2-CHLOROETHOXY) METHANE
440U	2,4-DICHLOROPHENOL
440U	1,2,4-TRICHLOROBENZENE
440U	NAPHTHALENE
440U	4-CHLOROANILINE
440U	HEXACHLOROBUTADIENE
440U	4-CHLORO-3-METHYLPHENOL
440U	2-METHYLNAPHTHALENE
440U	HEXACHLOROCYCLOPENTADIENE (HCCP)
440U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
440U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
440U	DIMETHYL PHTHALATE
440U	ACENAPHTHYLENE
440U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
440U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
440U	DIBENZOFURAN
440U	2,4-DINITROTOLUENE
440U	DIETHYL PHTHALATE
440U	4-CHLOROPHENYL PHENYL ETHER
440U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
440U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
440U	4-BROMOPHENYL PHENYL ETHER
440U	HEXACHLOROBENZENE (HCB)
2100U	PENTACHLOROPHENOL
440U	PHENANTHRENE
440U	ANTHRACENE
440U	DI-N-BUTYLPHTHALATE
440U	FLUORANTHENE
440U	PYRENE
440U	BENZYL BUTYL PHTHALATE
880U	3,3'-DICHLOROBENZIDINE
440U	BENZO(A)ANTHRACENE
440U	CHRYSENE
440U	BIS(2-ETHYLHEXYL) PHTHALATE
440U	DI-N-OCTYLPHTHALATE
440U	BENZO(B AND/OR K)FLUORANTHENE
440U	BENZO-A-PYRENE
440U	INDENO (1,2,3-CD) PYRENE
440U	DIBENZO(A,H)ANTHRACENE
440U	BENZO(GHI)PERYLENE
25	PERCENT MOISTURE

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-03 COLLECTION START: 05/01/90 0910 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T078

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
470U	PHENOL	2300U	3-NITROANILINE
470UR	BIS(2-CHLOROETHYL) ETHER	470U	ACENAPHTHENE
470UJ	2-CHLOROPHENOL	2300U	2,4-DINITROPHENOL
470U	1,3-DICHLOROBENZENE	2300U	4-NITROPHENOL
470U	1,4-DICHLOROBENZENE	470U	DIBENZOFURAN
470U	BENZYL ALCOHOL	470U	2,4-DINITROTOLUENE
470U	1,2-DICHLOROBENZENE	470U	DIETHYL PHTHALATE
470U	2-METHYLPHENOL	470U	4-CHLOROPHENYL PHENYL ETHER
470U	BIS(2-CHLOROISOPROPYL) ETHER	470U	FLUORENE
470U	(3-AND/OR 4-)METHYLPHENOL	2300U	4-NITROANILINE
470U	N-NITROSODI-N-PROPYLAMINE	2300U	2-METHYL-4,6-DINITROPHENOL
470UR	HEXACHLOROETHANE	470U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
470U	NITROBENZENE	470U	4-BROMOPHENYL PHENYL ETHER
470U	ISOPHORONE	470U	HEXACHLOROBENZENE (HCB)
470U	2-NITROPHENOL	2300U	PENTACHLOROPHENOL
470U	2,4-DIMETHYLPHENOL	470U	PHENANTHRENE
2300UR	BENZOIC ACID	470U	ANTHRACENE
470U	BIS(2-CHLOROETHOXY) METHANE	470U	DI-N-BUTYLPHTHALATE
470U	2,4-DICHLOROPHENOL	470U	FLUORANTHENE
470U	1,2,4-TRICHLOROBENZENE	470U	PYRENE
470U	NAPHTHALENE	470U	BENZYL BUTYL PHTHALATE
470U	4-CHLOROANILINE	940U	3,3'-DICHLOROBENZIDINE
470U	HEXACHLOROBUTADIENE	470U	BENZO(A)ANTHRACENE
470U	4-CHLORO-3-METHYLPHENOL	470U	CHRYSENE
470U	2-METHYLNAPHTHALENE	470U	BIS(2-ETHYLHEXYL) PHTHALATE
470U	HEXACHLOROCYCLOPENTADIENE (HCCP)	470U	DI-N-OCTYLPHTHALATE
470U	2,4,6-TRICHLOROPHENOL	470U	BENZO(B AND/OR K)FLUORANTHENE
2300U	2,4,5-TRICHLOROPHENOL	470U	BENZO-A-PYRENE
470U	2-CHLORONAPHTHALENE	470U	INDENO (1,2,3-CD) PYRENE
2300U	2-NITROANILINE	470U	DIBENZO(A,H)ANTHRACENE
470U	DIMETHYL PHTHALATE	470U	BENZO(GHI)PERYLENE
470U	ACENAPHTHYLENE	30	PERCENT MOISTURE
470U	2,6-DINITROTOLUENE		

REMARKS

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 QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435   SAMPLE NO. 45703   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP   CITY: BUCKS   ST: AL
STATION ID: SB-02   COLLECTION START: 05/01/90 0815   STOP: 00/00/00

CASE NO.: 14001   SAS NO.:   D. NO.: T066

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
460U	PHENOL	2300U	3-NITROANILINE
460UR	BIS(2-CHLOROETHYL) ETHER	460U	ACENAPHTHENE
460UJ	2-CHLOROPHENOL	2300U	2,4-DINITROPHENOL
460U	1,3-DICHLOROBENZENE	2300U	4-NITROPHENOL
460U	1,4-DICHLOROBENZENE	460U	DIBENZOFURAN
460U	BENZYL ALCOHOL	460U	2,4-DINITROTOLUENE
460U	1,2-DICHLOROBENZENE	460U	DIETHYL PHTHALATE
460U	2-METHYLPHENOL	460U	4-CHLOROPHENYL PHENYL ETHER
460U	BIS(2-CHLOROISOPROPYL) ETHER	460U	FLUORENE
460U	(3-AND/OR 4-)METHYLPHENOL	2300U	4-NITROANILINE
460U	N-NITROSODI-N-PROPYLAMINE	2300U	2-METHYL-4,6-DINITROPHENOL
460UR	HEXACHLOROETHANE	460U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
460U	NITROBENZENE	460U	4-BROMOPHENYL PHENYL ETHER
460U	ISOPHORONE	460U	HEXACHLOROBENZENE (HCB)
460U	2-NITROPHENOL	2300U	PENTACHLOROPHENOL
460U	2,4-DIMETHYLPHENOL	370J	PHENANTHRENE
2300U	BENZOIC ACID	460U	ANTHRACENE
460U	BIS(2-CHLOROETHOXY) METHANE	460U	DI-N-BUTYLPHTHALATE
460U	2,4-DICHLOROPHENOL	410J	FLUORANTHENE
460U	1,2,4-TRICHLOROBENZENE	460U	PYRENE
110J	NAPHTHALENE	460U	BENZYL BUTYL PHTHALATE
460U	4-CHLOROANILINE	930U	3,3'-DICHLOROBENZIDINE
460U	HEXACHLOROBUTADIENE	460U	BENZO(A)ANTHRACENE
460U	4-CHLORO-3-METHYLPHENOL	460U	CHRYSENE
130J	2-METHYLNAPHTHALENE	460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	HEXACHLOROCYCLOPENTADIENE (HCCP)	460U	DI-N-OCTYLPHTHALATE
460U	2,4,6-TRICHLOROPHENOL	460U	BENZO(B AND/OR K)FLUORANTHENE
2300U	2,4,5-TRICHLOROPHENOL	460U	BENZO-A-PYRENE
460U	2-CHLORONAPHTHALENE	460U	INDENO (1,2,3-CD) PYRENE
2300U	2-NITROANILINE	460U	DIBENZO(A,H)ANTHRACENE
460U	DIMETHYL PHTHALATE	460U	BENZO(GHI)PERYLENE
460U	ACENAPHTHYLENE	29	PERCENT MOISTURE
460U	2,6-DINITROTOLUENE		

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T067

UG/L	ANALYTICAL RESULTS
10U	PHENOL
10U	BIS(2-CHLOROETHYL) ETHER
10U	2-CHLOROPHENOL
10U	1,3-DICHLOROBENZENE
10U	1,4-DICHLOROBENZENE
10U	BENZYL ALCOHOL
10U	1,2-DICHLOROBENZENE
10U	2-METHYLPHENOL
10U	BIS(2-CHLOROISOPROPYL) ETHER
10U	(3-AND/OR 4-)METHYLPHENOL
10U	N-NITROSODI-N-PROPYLAMINE
10U	HEXACHLOROETHANE
10U	NITROBENZENE
10U	ISOPHORONE
10U	2-NITROPHENOL
10U	2,4-DIMETHYLPHENOL
50U	BENZOIC ACID
10U	BIS(2-CHLOROETHOXY) METHANE
10U	2,4-DICHLOROPHENOL
10U	1,2,4-TRICHLOROBENZENE
10U	NAPHTHALENE
10U	4-CHLOROANILINE
10U	HEXACHLOROBUTADIENE
10U	4-CHLORO-3-METHYLPHENOL
10U	2-METHYLNAPHTHALENE
10U	HEXACHLOROCYCLOPENTADIENE (HCCP)
10U	2,4,6-TRICHLOROPHENOL
50U	2,4,5-TRICHLOROPHENOL
10U	2-CHLORONAPHTHALENE
50U	2-NITROANILINE
10UR	DIMETHYL PHTHALATE
10U	ACENAPHTHYLENE
10U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
50U	3-NITROANILINE
10U	ACENAPHTHENE
50U	2,4-DINITROPHENOL
50U	4-NITROPHENOL
10U	DIBENZOFURAN
10U	2,4-DINITROTOLUENE
10U	DIETHYL PHTHALATE
10U	4-CHLOROPHENYL PHENYL ETHER
10U	FLUORENE
50U	4-NITROANILINE
50U	2-METHYL-4,6-DINITROPHENOL
10U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
10U	4-BROMOPHENYL PHENYL ETHER
10U	HEXACHLOROBENZENE (HCB)
50U	PENTACHLOROPHENOL
10U	PHENANTHRENE
10U	ANTHRACENE
10U	DI-N-BUTYLPHTHALATE
10U	FLUORANTHENE
10U	PYRENE
10U	BENZYL BUTYL PHTHALATE
20U	3,3'-DICHLOROBENZIDINE
10U	BENZO(A)ANTHRACENE
10U	CHRYSENE
10U	BIS(2-ETHYLHEXYL) PHTHALATE
10U	DI-N-OCTYLPHTHALATE
10U	BENZO(B AND/OR K)FLUORANTHENE
10U	BENZO-A-PYRENE
10U	INDENO (1,2,3-CD) PYRENE
10U	DIBENZO(A,H)ANTHRACENE
10U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-04 COLLECTION START: 05/01/90 1000 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T071

UG/KG	ANALYTICAL RESULTS
520U	PHENOL
520UR	BIS(2-CHLOROETHYL) ETHER
520UJ	2-CHLOROPHENOL
520U	1,3-DICHLOROBENZENE
520U	1,4-DICHLOROBENZENE
520U	BENZYL ALCOHOL
520U	1,2-DICHLOROBENZENE
520U	2-METHYLPHENOL
520U	BIS(2-CHLOROISOPROPYL) ETHER
520U	(3-AND/OR 4-)METHYLPHENOL
520U	N-NITROSODI-N-PROPYLAMINE
520UR	HEXACHLOROETHANE
520U	NITROBENZENE
520U	ISOPHORONE
520U	2-NITROPHENOL
520U	2,4-DIMETHYLPHENOL
2500U	BENZOIC ACID
520U	BIS(2-CHLOROETHOXY) METHANE
520U	2,4-DICHLOROPHENOL
520U	1,2,4-TRICHLOROBENZENE
520U	NAPHTHALENE
520U	4-CHLOROANILINE
520U	HEXACHLOROBUTADIENE
520U	4-CHLORO-3-METHYLPHENOL
520U	2-METHYLNAPHTHALENE
520U	HEXACHLOROCYCLOPENTADIENE (HCCP)
520U	2,4,6-TRICHLOROPHENOL
2500U	2,4,5-TRICHLOROPHENOL
520U	2-CHLORONAPHTHALENE
2500U	2-NITROANILINE
520U	DIMETHYL PHTHALATE
520U	ACENAPHTHYLENE
520U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2500U	3-NITROANILINE
520U	ACENAPHTHENE
2500U	2,4-DINITROPHENOL
2500U	4-NITROPHENOL
520U	DIBENZOFURAN
520U	2,4-DINITROTOLUENE
520U	DIETHYL PHTHALATE
520U	4-CHLOROPHENYL PHENYL ETHER
520U	FLUORENE
2500U	4 NITROANILINE
2500U	2-METHYL-4,6-DINITROPHENOL
520U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
520U	4-BROMOPHENYL PHENYL ETHER
520U	HEXACHLOROBENZENE (HCB)
2500U	PENTACHLOROPHENOL
520U	PHENANTHRENE
520U	ANTHRACENE
520U	DI-N-BUTYLPHTHALATE
520U	FLUORANTHENE
520U	PYRENE
520U	BENZYL BUTYL PHTHALATE
1000U	3,3'-DICHLOROBENZIDINE
520U	BENZO(A)ANTHRACENE
520U	CHRYSENE
520U	BIS(2-ETHYLHEXYL) PHTHALATE
520U	DI-N-OCTYLPHTHALATE
520U	BENZO(B AND/OR K)FLUORANTHENE
520U	BENZO-A-PYRENE
520U	INDENO (1,2,3-CD) PYRENE
520U	DIBENZO(A,H)ANTHRACENE
520U	BENZO(GHI)PERYLENE
37	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T072

UG/KG	ANALYTICAL RESULTS
460U	PHENOL
460UR	BIS(2-CHLOROETHYL) ETHER
460UJ	2-CHLOROPHENOL
460U	1,3-DICHLOROBENZENE
460U	1,4-DICHLOROBENZENE
460U	BENZYL ALCOHOL
460U	1,2-DICHLOROBENZENE
460U	2-METHYLPHENOL
460U	BIS(2-CHLOROISOPROPYL) ETHER
460U	(3-AND/OR 4-)METHYLPHENOL
460U	N-NITROSODI-N-PROPYLAMINE
460UR	HEXACHLOROETHANE
460U	NITROBENZENE
460U	ISOPHORONE
460U	2-NITROPHENOL
460U	2,4-DIMETHYLPHENOL
2200U	BENZOIC ACID
460U	BIS(2-CHLOROETHOXY) METHANE
460U	2,4-DICHLOROPHENOL
460U	1,2,4-TRICHLOROBENZENE
460U	NAPHTHALENE
460U	4-CHLOROANILINE
460U	HEXACHLOROBUTADIENE
460U	4-CHLORO-3-METHYLPHENOL
460U	2-METHYLNAPHTHALENE
460U	HEXACHLOROCYCLOPENTADIENE (HCCP)
460U	2,4,6-TRICHLOROPHENOL
2200U	2,4,5-TRICHLOROPHENOL
460U	2-CHLORONAPHTHALENE
2200U	2-NITROANILINE
460U	DIMETHYL PHTHALATE
460U	ACENAPHTHYLENE
460U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2200U	3-NITROANILINE
460U	ACENAPHTHENE
2200U	2,4-DINITROPHENOL
2200U	4-NITROPHENOL
460U	DIBENZOFURAN
460U	2,4-DINITROTOLUENE
460U	DIETHYL PHTHALATE
460U	4-CHLOROPHENYL PHENYL ETHER
460U	FLUORENE
2200U	4-NITROANILINE
2200U	2-METHYL-4,6-DINITROPHENOL
460U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
460U	4-BROMOPHENYL PHENYL ETHER
460U	HEXACHLOROBENZENE (HCB)
2200U	PENTACHLOROPHENOL
460U	PHENANTHRENE
460U	ANTHRACENE
460U	DI-N-BUTYLPHTHALATE
460U	FLUORANTHENE
460U	PYRENE
460U	BENZYL BUTYL PHTHALATE
920U	3,3'-DICHLOROBENZIDINE
460U	BENZO(A)ANTHRACENE
460U	CHRYSENE
460U	BIS(2-ETHYLHEXYL) PHTHALATE
460U	DI-N-OCTYLPHTHALATE
460U	BENZO(B AND/OR K)FLUORANTHENE
460U	BENZO-A-PYRENE
460U	INDENO (1,2,3-CD) PYRENE
460U	DIBENZO(A,H)ANTHRACENE
460U	BENZO(GHI)PERYLENE
28	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA
SOURCE: AL. POWER, BARRY SP
STATION ID: TW-04

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1100 STOP: 00/00/00

CASE NO.: 14001 SAS NO.: D. NO.: T073

UG/L	ANALYTICAL RESULTS
17UR	PHENOL
17U	BIS(2-CHLOROETHYL) ETHER
17UR	2-CHLOROPHENOL
17U	1,3-DICHLOROBENZENE
17U	1,4-DICHLOROBENZENE
17U	BENZYL ALCOHOL
17U	1,2-DICHLOROBENZENE
17UR	2-METHYLPHENOL
17U	BIS(2-CHLOROISOPROPYL) ETHER
17UR	(3-AND/OR 4-)METHYLPHENOL
17U	N-NITROSODI-N-PROPYLAMINE
17U	HEXACHLOROETHANE
17U	NITROBENZENE
17U	ISOPHORONE
17UR	2-NITROPHENOL
17UR	2,4-DIMETHYLPHENOL
83UR	BENZOIC ACID
17U	BIS(2-CHLOROETHOXY) METHANE
17UR	2,4-DICHLOROPHENOL
17U	1,2,4-TRICHLOROBENZENE
17U	NAPHTHALENE
17U	4-CHLOROANILINE
17U	HEXACHLOROBUTADIENE
17UR	4-CHLORO-3-METHYLPHENOL
17U	2-METHYLNAPHTHALENE
17U	HEXACHLOROCYCLOPENTADIENE (HCCP)
17UR	2,4,6-TRICHLOROPHENOL
83UR	2,4,5-TRICHLOROPHENOL
17U	2-CHLORONAPHTHALENE
83U	2-NITROANILINE
17UR	DIMETHYL PHTHALATE
17U	ACENAPHTHYLENE
17U	2,6-DINITROTOLUENE

UG/L	ANALYTICAL RESULTS
83U	3-NITROANILINE
17U	ACENAPHTHENE
83UR	2,4-DINITROPHENOL
83UR	4-NITROPHENOL
17U	DIBENZOFURAN
17U	2,4-DINITROTOLUENE
17U	DIETHYL PHTHALATE
17U	4-CHLOROPHENYL PHENYL ETHER
17U	FLUORENE
83U	4 NITROANILINE
83UR	2-METHYL-4,6-DINITROPHENOL
17U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
17U	4-BROMOPHENYL PHENYL ETHER
17U	HEXACHLOROBENZENE (HCB)
83UR	PENTACHLOROPHENOL
17U	PHENANTHRENE
17U	ANTHRACENE
17U	DI-N-BUTYLPHTHALATE
17U	FLUORANTHENE
17U	PYRENE
17U	BENZYL BUTYL PHTHALATE
33U	3,3'-DICHLOROBENZIDINE
17U	BENZO(A)ANTHRACENE
17U	CHRYSENE
17U	BIS(2-ETHYLHEXYL) PHTHALATE
17U	DI-N-OCTYLPHTHALATE
17U	BENZO(B AND/OR K)FLUORANTHENE
17U	BENZO-A-PYRENE
17U	INDENO (1,2,3-CD) PYRENE
17U	DIBENZO(A,H)ANTHRACENE
17U	BENZO(GHI)PERYLENE

REMARKS

REMARKS

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: PB-01 COLLECTION START: 04/30/90 0630 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T060 MD NO: T060 **
** **
*** ***

ANALYTICAL RESULTS UG/L

10J 1 UNIDENTIFIED COMPOUND

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-02 COLLECTION START: 04/30/90 1325 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T065 MD NO: T065

ANALYTICAL RESULTS UG/KG

4000J	8 UNIDENTIFIED COMPOUNDS
700JN	HEXADECANOIC ACID
600JN	METHYLPHENANTHRENE
600JN	ETHYLANTHRACENE
300JN	DIMETHYLNAPHTHALENE

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45694  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN          **
**   SOURCE: AL. POWER, BARRY SP                                      CITY: BUCKS                ST: AL                    **
**   STATION ID: SS-03                                                COLLECTION START: 04/30/90  1350   STOP: 00/00/00   **
**   CASE.NO.: 14001          SAS NO.:                                D. NO.: T068              MD NO: T068                **
**                                                                                                                         **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/KG

300000J   19 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-435 SAMPLE NO. 45696 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: CITY: BUCKS ST: AL **
** STATION ID: TW-03 COLLECTION START: 04/30/90 1430 STOP: 00/00/00 **
** CASE.NO.: 14001 SAS NO.: D. NO.: T070 MD NO: T070 **
**
*** ***

ANALYTICAL RESULTS UG/L

50J 2 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45698  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                          **
**   SOURCE: AL. POWER. BARRY SP                                      CITY: BUCKS                    ST: AL                              **
**   STATION ID: SD-06                                                COLLECTION START: 04/30/90  1620   STOP: 00/00/00                  **
**   CASE.NO.: 14001          SAS NO.:                                D. NO.: T077                MD NO: T077                            **
**                                                                                                                                        **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/KG

10000J 12 UNIDENTIFIED COMPOUNDS

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***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 QUANTITATION LIMIT.
   *R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
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MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-01 COLLECTION START: 05/01/90 0815 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T074 MD NO: T074

ANALYTICAL RESULTS UG/KG

7000J 6 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SB-02 COLLECTION START: 05/01/90 0815 STOP: 00/00/00
CASE.NO.: 14001 SAS NO.: D. NO.: T066 MD NO: T066

ANALYTICAL RESULTS UG/KG

40000J 13 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**  PROJECT NO. 90-435   SAMPLE NO. 45705  SAMPLE TYPE: SOIL      PROG ELEM: NSF   COLLECTED BY: R FRANKLIN              **
**  SOURCE: AL. POWER, BARRY SP                                  CITY: BUCKS                 ST: AL                      **
**  STATION ID: SS-04                                            COLLECTION START: 05/01/90  1000   STOP: 00/00/00       **
**  CASE.NO.: 14001          SAS NO.:                            D. NO.: T071                MD NO: T071                 **
**                                                                                                                       **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/KG

9000J	7 UNIDENTIFIED COMPOUNDS
2000JN	HYDROXYMETHYLNAPHTHALENEDIONE

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-435   SAMPLE NO. 45706  SAMPLE TYPE: SOIL       PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                **
**   SOURCE: AL. POWER, BARRY SP                                   CITY: BUCKS                ST: AL                         **
**   STATION ID: SB-04                                             COLLECTION START: 05/01/90  1020   STOP: 00/00/00         **
**   CASE.NO.: 14001          SAS NO.:                             D. NO.: T072               MD NO: T072                    **
**                                                                                                                           **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/KG

700J   1 UNIDENTIFIED COMPOUND

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
**   PROJECT NO. 90-435   SAMPLE NO. 45707  SAMPLE TYPE: GROUNDWA   PROG ELEM: NSF   COLLECTED BY: R FRANKLIN          **
**   SOURCE: AL. POWER, BARRY SP                                    CITY: BUCKS                ST: AL                  **
**   STATION ID: TW-04                                              COLLECTION START: 05/01/90  1100  STOP: 00/00/00   **
**   CASE.NO.: 14001        SAS NO.:                                D. NO.: T073              MD NO: T073              **
**                                                                                                                     **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/L

300J	2 UNIDENTIFIED COMPOUNDS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 13 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Pesticide/PCB Analysis;
90-435 AL. POWER, BARRY SP
BUCKS AL
CASE NO: 14001

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45685 SAMPLE TYPE:
SOURCE:
STATION ID: PB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 0630 STOP: 00/00/00
D. NUMBER: T060

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45689 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: PW-01 COLLECTION START: 04/30/90 1000 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: D. NUMBER: T061

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45690 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1030 STOP: 00/00/00
D. NUMBER: T062

UG/KG	ANALYTICAL RESULTS
8.8U	ALPHA-BHC
8.8U	BETA-BHC
8.8U	DELTA-BHC
8.8U	GAMMA-BHC (LINDANE)
8.8U	HEPTACHLOR
8.8U	ALDRIN
8.8U	HEPTACHLOR EPOXIDE
8.8U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
88.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
88.U	GAMMA-CHLORDANE /2
88.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
88.U	PCB-1016 (AROCLOR 1016)
88.U	PCB-1221 (AROCLOR 1221)
88.U	PCB-1232 (AROCLOR 1232)
88.U	PCB-1242 (AROCLOR 1242)
88.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
10	PERCENT MOISTURE

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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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45691 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1040 STOP: 00/00/00
D. NUMBER: T063

UG/KG	ANALYTICAL RESULTS
9.2U	ALPHA-BHC
9.2U	BETA-BHC
9.2U	DELTA-BHC
9.2U	GAMMA-BHC (LINDANE)
9.2U	HEPTACHLOR
9.2U	ALDRIN
9.2U	HEPTACHLOR EPOXIDE
9.2U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
92.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
92.U	GAMMA-CHLORDANE /2
92.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
92.U	PCB-1016 (AROCLOR 1016)
92.U	PCB-1221 (AROCLOR 1221)
92.U	PCB-1232 (AROCLOR 1232)
92.U	PCB 1242 (AROCLOR 1242)
92.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
15	PERCENT MOISTURE

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 QUANTITATION LIMIT.
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*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45692 SAMPLE TYPE:
SOURCE:
STATION ID: TW-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1115 STOP: 00/00/00
D. NUMBER: T064

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45693 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1325 STOP: 00/00/00
D. NUMBER: T065

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
9.6U	ALPHA-BHC	96.U	METHOXYCHLOR
9.6U	BETA-BHC	19.U	ENDRIN KETONE
9.6U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
9.6U	GAMMA-BHC (LINDANE)	96.U	GAMMA-CHLORDANE /2
9.6U	HEPTACHLOR	96.U	ALPHA-CHLORDANE /2
9.6U	ALDRIN	190U	TOXAPHENE
9.6U	HEPTACHLOR EPOXIDE	96.U	PCB-1016 (AROCLOR 1016)
9.6U	ENDOSULFAN I (ALPHA)	96.U	PCB-1221 (AROCLOR 1221)
19.U	DIELDRIN	96.U	PCB-1232 (AROCLOR 1232)
19.U	4,4'-DDE (P,P'-DDE)	96.U	PCB-1242 (AROCLOR 1242)
19.U	ENDRIN	96.U	PCB-1248 (AROCLOR 1248)
19.U	ENDOSULFAN II (BETA)	190U	PCB-1254 (AROCLOR 1254)
19.U	4,4'-DDD (P,P'-DDD)	190U	PCB-1260 (AROCLOR 1260)
19.U	ENDOSULFAN SULFATE	17	PERCENT MOISTURE
19.U	4,4'-DDT (P,P'-DDT)		

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45694 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1350 STOP: 00/00/00
D. NUMBER: T068

UG/KG	ANALYTICAL RESULTS
8.9U	ALPHA-BHC
8.9U	BETA-BHC
8.9U	DELTA-BHC
8.9U	GAMMA-BHC (LINDANE)
8.9U	HEPTACHLOR
8.9U	ALDRIN
8.9U	HEPTACHLOR EPOXIDE
8.9U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
89.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
89.U	GAMMA-CHLORDANE /2
89.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
89.U	PCB-1016 (AROCLOR 1016)
89.U	PCB-1221 (AROCLOR 1221)
89.U	PCB-1232 (AROCLOR 1232)
89.U	PCB 1242 (AROCLOR 1242)
89.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
10	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45695 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-03
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1405 STOP: 00/00/00
D. NUMBER: T069

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB-1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
25	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

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**   PROJECT NO. 90-435    SAMPLE NO. 45696  SAMPLE TYPE:                PROG ELEM: NSF   COLLECTED BY: R FRANKLIN                          **
**   SOURCE:                                                            CITY: BUCKS                ST: AL                                   **
**   STATION ID: TW-03                                                  COLLECTION START: 04/30/90  1430   STOP: 00/00/00                   **
**   CASE NUMBER: 14001          SAS NUMBER:                             D. NUMBER: T070                                                    **
**                                                                                                                                          **
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UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC	0.50UJ	METHOXYCHLOR
0.050UJ	BETA-BHC	0.10UJ	ENDRIN KETONE
0.050UJ	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
0.050UJ	GAMMA-BHC (LINDANE)	0.50UJ	GAMMA-CHLORDANE /2
0.050UJ	HEPTACHLOR	0.50UJ	ALPHA-CHLORDANE /2
0.050UJ	ALDRIN	1.0UJ	TOXAPHENE
0.050UJ	HEPTACHLOR EPOXIDE	0.50UJ	PCB-1016 (AROCLOR 1016)
0.050UJ	ENDOSULFAN I (ALPHA)	0.50UJ	PCB-1221 (AROCLOR 1221)
0.10UJ	DIELDRIN	0.50UJ	PCB-1232 (AROCLOR 1232)
0.10UJ	4,4'-DDE (P,P'-DDE)	0.50UJ	PCB 1242 (AROCLOR 1242)
0.10UJ	ENDRIN	0.50UJ	PCB-1248 (AROCLOR 1248)
0.10UJ	ENDOSULFAN II (BETA)	1.0UJ	PCB-1254 (AROCLOR 1254)
0.10UJ	4,4'-DDD (P,P'-DDD)	1.0UJ	PCB-1260 (AROCLOR 1260)
0.10UJ	ENDOSULFAN SULFATE		
0.10UJ	4,4'-DDT (P,P'-DDT)		

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45697 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SS-05 COLLECTION START: 04/30/90 1615 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: D. NUMBER: T076

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
9.4U	ALPHA-BHC	94.U	METHOXYCHLOR
9.4U	BETA-BHC	19.U	ENDRIN KETONE
9.4U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
9.4U	GAMMA-BHC (LINDANE)	94.U	GAMMA-CHLORDANE /2
9.4U	HEPTACHLOR	94.U	ALPHA-CHLORDANE /2
9.4U	ALDRIN	190U	TOXAPHENE
9.4U	HEPTACHLOR EPOXIDE	94.U	PCB-1016 (AROCLOR 1016)
9.4U	ENDOSULFAN I (ALPHA)	94.U	PCB-1221 (AROCLOR 1221)
19.U	DIELDRIN	94.U	PCB-1232 (AROCLOR 1232)
19.U	4,4'-DDE (P,P'-DDE)	94.U	PCB-1242 (AROCLOR 1242)
19.U	ENDRIN	94.U	PCB-1248 (AROCLOR 1248)
19.U	ENDOSULFAN II (BETA)	190U	PCB-1254 (AROCLOR 1254)
19.U	4,4'-DDD (P,P'-DDD)	190U	PCB-1260 (AROCLOR 1260)
19.U	ENDOSULFAN SULFATE	15	PERCENT MOISTURE
19.U	4,4'-DDT (P,P'-DDT)		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45698 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-06
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 04/30/90 1620 STOP: 00/00/00
D. NUMBER: T077

UG/KG	ANALYTICAL RESULTS
13.U	ALPHA-BHC
13.U	BETA-BHC
13.U	DELTA-BHC
13.U	GAMMA-BHC (LINDANE)
13.U	HEPTACHLOR
13.U	ALDRIN
13.U	HEPTACHLOR EPOXIDE
13.U	ENDOSULFAN I (ALPHA)
26.U	DIELDRIN
26.U	4,4'-DDE (P,P'-DDE)
26.U	ENDRIN
26.U	ENDOSULFAN II (BETA)
26.U	4,4'-DDD (P,P'-DDD)
26.U	ENDOSULFAN SULFATE
26.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
130U	METHOXYCHLOR
26.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
130U	GAMMA-CHLORDANE /2
130U	ALPHA-CHLORDANE /2
260U	TOXAPHENE
130U	PCB-1016 (AROCLOR 1016)
130U	PCB-1221 (AROCLOR 1221)
130U	PCB-1232 (AROCLOR 1232)
130U	PCB-1242 (AROCLOR 1242)
130U	PCB-1248 (AROCLOR 1248)
260U	PCB-1254 (AROCLOR 1254)
260U	PCB-1260 (AROCLOR 1260)
39	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45699 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-01
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
D. NUMBER: T074

UG/KG	ANALYTICAL RESULTS
12.U	ALPHA-BHC
12.U	BETA-BHC
12.U	DELTA-BHC
12.U	GAMMA-BHC (LINDANE)
12.U	HEPTACHLOR
12.U	ALDRIN
12.U	HEPTACHLOR EPOXIDE
12.U	ENDOSULFAN I (ALPHA)
24.U	DIELDRIN
24.U	4,4'-DDE (P,P'-DDE)
24.U	ENDRIN
24.U	ENDOSULFAN II (BETA)
24.U	4,4'-DDD (P,P'-DDD)
24.U	ENDOSULFAN SULFATE
24.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
120U	METHOXYCHLOR
24.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
120U	GAMMA-CHLORDANE /2
120U	ALPHA-CHLORDANE /2
240U	TOXAPHENE
120U	PCB-1016 (AROCLOR 1016)
120U	PCB-1221 (AROCLOR 1221)
120U	PCB-1232 (AROCLOR 1232)
120U	PCB-1242 (AROCLOR 1242)
120U	PCB-1248 (AROCLOR 1248)
240U	PCB-1254 (AROCLOR 1254)
240U	PCB-1260 (AROCLOR 1260)
33	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45701 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SD-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0845 STOP: 00/00/00
D. NUMBER: T075

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
25	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45702 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: R FRANKLIN
SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL
STATION ID: SD-03 COLLECTION START: 05/01/90 0910 STOP: 00/00/00
CASE NUMBER: 14001 SAS NUMBER: D. NUMBER: T078

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC	110U	METHOXYCHLOR
11.U	BETA-BHC	23.U	ENDRIN KETONE
11.U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
11.U	GAMMA-BHC (LINDANE)	110U	GAMMA-CHLORDANE /2
11.U	HEPTACHLOR	110U	ALPHA-CHLORDANE /2
11.U	ALDRIN	230U	TOXAPHENE
11.U	HEPTACHLOR EPOXIDE	110U	PCB-1016 (AROCLOR 1016)
11.U	ENDOSULFAN I (ALPHA)	110U	PCB-1221 (AROCLOR 1221)
23.U	DIELDRIN	110U	PCB-1232 (AROCLOR 1232)
23.U	4,4'-DDE (P,P'-DDE)	110U	PCB-1242 (AROCLOR 1242)
23.U	ENDRIN	110U	PCB-1248 (AROCLOR 1248)
23.U	ENDOSULFAN II (BETA)	230U	PCB-1254 (AROCLOR 1254)
23.U	4,4'-DDD (P,P'-DDD)	230U	PCB-1260 (AROCLOR 1260)
23.U	ENDOSULFAN SULFATE	30	PERCENT MOISTURE
23.U	4,4'-DDT (P,P'-DDT)		

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45703 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0815 STOP: 00/00/00
D. NUMBER: T066

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
19.	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
22.U	DIELDRIN
22.U	4,4'-DDE (P,P'-DDE)
22.U	ENDRIN
22.U	ENDOSULFAN II (BETA)
22.U	4,4'-DDD (P,P'-DDD)
22.U	ENDOSULFAN SULFATE
22.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
22.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
220U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB 1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
220U	PCB-1254 (AROCLOR 1254)
220U	PCB-1260 (AROCLOR 1260)
29	PERCENT MOISTURE

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45704 SAMPLE TYPE:
SOURCE:
STATION ID: TW-02
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 0900 STOP: 00/00/00
D. NUMBER: T067

UG/L	ANALYTICAL RESULTS
0.050UJ	ALPHA-BHC
0.050UJ	BETA-BHC
0.050UJ	DELTA-BHC
0.050UJ	GAMMA-BHC (LINDANE)
0.050UJ	HEPTACHLOR
0.050UJ	ALDRIN
0.050UJ	HEPTACHLOR EPOXIDE
0.050UJ	ENDOSULFAN I (ALPHA)
0.10UJ	DIELDRIN
0.10UJ	4,4'-DDE (P,P'-DDE)
0.10UJ	ENDRIN
0.10UJ	ENDOSULFAN II (BETA)
0.10UJ	4,4'-DDD (P,P'-DDD)
0.10UJ	ENDOSULFAN SULFATE
0.10UJ	4,4'-DDT (P,P'-DDT)

UG/L	ANALYTICAL RESULTS
0.50UJ	METHOXYCHLOR
0.10UJ	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
0.50UJ	GAMMA-CHLORDANE /2
0.50UJ	ALPHA-CHLORDANE /2
1.0UJ	TOXAPHENE
0.50UJ	PCB-1016 (AROCLOR 1016)
0.50UJ	PCB-1221 (AROCLOR 1221)
0.50UJ	PCB-1232 (AROCLOR 1232)
0.50UJ	PCB 1242 (AROCLOR 1242)
0.50UJ	PCB-1248 (AROCLOR 1248)
1.0UJ	PCB-1254 (AROCLOR 1254)
1.0UJ	PCB-1260 (AROCLOR 1260)

REMARKS
HOLDING TIMES EXCEEDED(40 CFR 136,OCTOBER 26,1984)

REMARKS

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-435 SAMPLE NO. 45705 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SS-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1000 STOP: 00/00/00
D. NUMBER: T071

UG/KG	ANALYTICAL RESULTS
13.U	ALPHA-BHC
13.U	BETA-BHC
13.U	DELTA-BHC
13.U	GAMMA-BHC (LINDANE)
13.U	HEPTACHLOR
13.U	ALDRIN
13.U	HEPTACHLOR EPOXIDE
13.U	ENDOSULFAN I (ALPHA)
25.U	DIELDRIN
25.U	4,4'-DDE (P,P'-DDE)
25.U	ENDRIN
25.U	ENDOSULFAN II (BETA)
25.U	4,4'-DDD (P,P'-DDD)
25.U	ENDOSULFAN SULFATE
25.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
130U	METHOXYCHLOR
25.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
130U	GAMMA-CHLORDANE /2
130U	ALPHA-CHLORDANE /2
250U	TOXAPHENE
130U	PCB-1016 (AROCLOR 1016)
130U	PCB-1221 (AROCLOR 1221)
130U	PCB-1232 (AROCLOR 1232)
130U	PCB 1242 (AROCLOR 1242)
130U	PCB-1248 (AROCLOR 1248)
250U	PCB-1254 (AROCLOR 1254)
250U	PCB-1260 (AROCLOR 1260)
37	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-435 SAMPLE NO. 45706 SAMPLE TYPE: SOIL
SOURCE: AL. POWER, BARRY SP
STATION ID: SB-04
CASE NUMBER: 14001 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: R FRANKLIN
CITY: BUCKS ST: AL
COLLECTION START: 05/01/90 1020 STOP: 00/00/00
D. NUMBER: T072

UG/KG	ANALYTICAL RESULTS
11.U	ALPHA-BHC
11.U	BETA-BHC
11.U	DELTA-BHC
11.U	GAMMA-BHC (LINDANE)
11.U	HEPTACHLOR
11.U	ALDRIN
11.U	HEPTACHLOR EPOXIDE
11.U	ENDOSULFAN I (ALPHA)
22.U	DIELDRIN
22.U	4,4'-DDE (P,P'-DDE)
22.U	ENDRIN
22.U	ENDOSULFAN II (BETA)
22.U	4,4'-DDD (P,P'-DDD)
22.U	ENDOSULFAN SULFATE
22.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
110U	METHOXYCHLOR
22.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110U	GAMMA-CHLORDANE /2
110U	ALPHA-CHLORDANE /2
220U	TOXAPHENE
110U	PCB-1016 (AROCLOR 1016)
110U	PCB-1221 (AROCLOR 1221)
110U	PCB-1232 (AROCLOR 1232)
110U	PCB-1242 (AROCLOR 1242)
110U	PCB-1248 (AROCLOR 1248)
220U	PCB-1254 (AROCLOR 1254)
220U	PCB-1260 (AROCLOR 1260)
28	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

** PROJECT NO. 90-435 SAMPLE NO. 45707 SAMPLE TYPE: GROUNDWA PROG ELEM: NSF COLLECTED BY: R FRANKLIN **
** SOURCE: AL. POWER, BARRY SP CITY: BUCKS ST: AL **
** STATION ID: TW-04 COLLECTION START: 05/01/90 1100 STOP: 00/00/00 **
** CASE NUMBER: 14001 SAS NUMBER: D. NUMBER: T073 **

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
0.050U	ALPHA-BHC	0.50U	METHOXYCHLOR
0.050U	BETA-BHC	0.10U	ENDRIN KETONE
0.050U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
0.050U	GAMMA-BHC (LINDANE)	0.50U	GAMMA-CHLORDANE /2
0.050U	HEPTACHLOR	0.50U	ALPHA-CHLORDANE /2
0.050U	ALDRIN	1.0U	TOXAPHENE
0.050U	HEPTACHLOR EPOXIDE	0.50U	PCB-1016 (AROCLOR 1016)
0.050U	ENDOSULFAN I (ALPHA)	0.50U	PCB-1221 (AROCLOR 1221)
0.10U	DIELDRIN	0.50U	PCB-1232 (AROCLOR 1232)
0.10U	4,4'-DDE (P,P'-DDE)	0.50U	PCB 1242 (AROCLOR 1242)
0.10U	ENDRIN	0.50U	PCB-1248 (AROCLOR 1248)
0.10U	ENDOSULFAN II (BETA)	1.0U	PCB-1254 (AROCLOR 1254)
0.10U	4,4'-DDD (P,P'-DDD)	1.0U	PCB-1260 (AROCLOR 1260)
0.10U	ENDOSULFAN SULFATE		
0.10U	4,4'-DDT (P,P'-DDT)		

FOOTNOTES
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SITE INTERNATIONAL PAPER CO (FIT) RPM/OSC ROGER FRANKLIN (NUS)
PROJECT # 90-436 SHIPWEEK 04/30/90

SOILVOA BOOKED	16	DATA RECEIVED	06/12/90	FOR	10	SAMPLES
H2OVOA BOOKED	6	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILEXT BOOKED	16	DATA RECEIVED	06/12/90	FOR	10	SAMPLES
H2OEXT BOOKED	6	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILPEST BOOKED	16	DATA RECEIVED	06/12/90	FOR	10	SAMPLES
H2OPEST BOOKED	6	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILMET BOOKED	16	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OMET BOOKED	6	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILCN BOOKED	16	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OCN BOOKED	6	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR	0	SAMPLES

DV REQUESTED? F

LAB(CLP/ESD) CLP

SISB/SAS
RECEIVED
JUN 13 1990
EPA - REGION IV
ATLANTA, GA.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 13 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Purgeable Organic Analysis;
90-436 INTERNATIONAL PAPER
MOBILE AL
CASE NO: 14000

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45709 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 0945 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T190

UG/KG	ANALYTICAL RESULTS
12U	CHLOROMETHANE
12U	BROMOMETHANE
12U	VINYL CHLORIDE
12U	CHLOROETHANE
30U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
12U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
12U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
12U	METHYL ISOBUTYL KETONE
12U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
14	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45710 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1000 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T191

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
20U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
20	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45711 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1040 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T192

UG/KG	ANALYTICAL RESULTS
11U	CHLOROMETHANE
11U	BROMOMETHANE
11U	VINYL CHLORIDE
11U	CHLOROETHANE
30U	METHYLENE CHLORIDE
11U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
11U	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
11U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
11U	METHYL ISOBUTYL KETONE
11U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
11	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45712 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1115 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T200

UG/KG	ANALYTICAL RESULTS
22U	CHLOROMETHANE
22U	BROMOMETHANE
22U	VINYL CHLORIDE
22U	CHLOROETHANE
40U	METHYLENE CHLORIDE
30U	ACETONE
11U	CARBON DISULFIDE
11U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11U	1,1-DICHLOROETHANE
11U	1,2-DICHLOROETHENE (TOTAL)
11U	CHLOROFORM
11U	1,2-DICHLOROETHANE
22U	METHYL ETHYL KETONE
11U	1,1,1-TRICHLOROETHANE
11U	CARBON TETRACHLORIDE
22U	VINYL ACETATE
11U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
11U	1,2-DICHLOROPROPANE
11U	CIS-1,3-DICHLOROPROPENE
11U	TRICHLOROETHENE(TRICHLOROETHYLENE)
11U	DIBROMOCHLOROMETHANE
11U	1,1,2-TRICHLOROETHANE
11U	BENZENE
11U	TRANS-1,3-DICHLOROPROPENE
11U	BROMOFORM
22U	METHYL ISOBUTYL KETONE
22U	METHYL BUTYL KETONE
11U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
11U	1,1,2,2-TETRACHLOROETHANE
11U	TOLUENE
11U	CHLOROBENZENE
11U	ETHYL BENZENE
11U	STYRENE
11U	TOTAL XYLENES
55	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45713 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1230 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T208

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
30U	METHYLENE CHLORIDE
20U	ACETONE
6U	CARBON DISULFIDE
6U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6U	1,1-DICHLOROETHANE
6U	1,2-DICHLOROETHENE (TOTAL)
6U	CHLOROFORM
6U	1,2-DICHLOROETHANE
13UR	METHYL ETHYL KETONE
6U	1,1,1-TRICHLOROETHANE
6U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
6U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
6U	1,2-DICHLOROPROPANE
6U	CIS-1,3-DICHLOROPROPENE
6U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6U	DIBROMOCHLOROMETHANE
6U	1,1,2-TRICHLOROETHANE
6U	BENZENE
6U	TRANS-1,3-DICHLOROPROPENE
6U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
6U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6U	CHLOROBENZENE
6U	ETHYL BENZENE
6U	STYRENE
6U	TOTAL XYLENES
23	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45714 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1250 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T201

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
30U	METHYLENE CHLORIDE
13U	ACETONE
7U	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
24	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45715 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1330 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T202

UG/KG	ANALYTICAL RESULTS
29U	CHLOROMETHANE
29U	BROMOMETHANE
29U	VINYL CHLORIDE
29U	CHLOROETHANE
70U	METHYLENE CHLORIDE
29U	ACETONE
15U	CARBON DISULFIDE
15U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
15U	1,1-DICHLOROETHANE
15U	1,2-DICHLOROETHENE (TOTAL)
15U	CHLOROFORM
15U	1,2-DICHLOROETHANE
29U	METHYL ETHYL KETONE
15U	1,1,1-TRICHLOROETHANE
15U	CARBON TETRACHLORIDE
29U	VINYL ACETATE
15U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
15U	1,2-DICHLOROPROPANE
15U	CIS-1,3-DICHLOROPROPENE
15U	TRICHLOROETHENE(TRICHLOROETHYLENE)
15U	DIBROMOCHLOROMETHANE
15U	1,1,2-TRICHLOROETHANE
15U	BENZENE
15U	TRANS-1,3-DICHLOROPROPENE
15U	BROMOFORM
29U	METHYL ISOBUTYL KETONE
29U	METHYL BUTYL KETONE
15U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
15U	1,1,2,2-TETRACHLOROETHANE
15U	TOLUENE
15U	CHLOROBENZENE
15U	ETHYL BENZENE
15U	STYRENE
15U	TOTAL XYLENES
66	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45716 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-05

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1335 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T204

UG/KG	ANALYTICAL RESULTS
40U	CHLOROMETHANE
40U	BROMOMETHANE
40U	VINYL CHLORIDE
40U	CHLOROETHANE
80U	METHYLENE CHLORIDE
40U	ACETONE
20U	CARBON DISULFIDE
20U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
20U	1,1-DICHLOROETHANE
20U	1,2-DICHLOROETHENE (TOTAL)
20U	CHLOROFORM
20U	1,2-DICHLOROETHANE
40U	METHYL ETHYL KETONE
20U	1,1,1-TRICHLOROETHANE
20U	CARBON TETRACHLORIDE
40U	VINYL ACETATE
20U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
20U	1,2-DICHLOROPROPANE
20U	CIS-1,3-DICHLOROPROPENE
20U	TRICHLOROETHENE(TRICHLOROETHYLENE)
20U	DIBROMOCHLOROMETHANE
20U	1,1,2-TRICHLOROETHANE
20U	BENZENE
20U	TRANS-1,3-DICHLOROPROPENE
20U	BROMOFORM
40U	METHYL ISOBUTYL KETONE
40U	METHYL BUTYL KETONE
20U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
20U	1,1,2,2-TETRACHLOROETHANE
20U	TOLUENE
20U	CHLOROBENZENE
20U	ETHYL BENZENE
20U	STYRENE
20U	TOTAL XYLENES
75	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45717 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1350 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T203

UG/KG	ANALYTICAL RESULTS
13U	CHLOROMETHANE
13U	BROMOMETHANE
13U	VINYL CHLORIDE
13U	CHLOROETHANE
30U	METHYLENE CHLORIDE
20U	ACETONE
2J	CARBON DISULFIDE
7U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
7U	1,1-DICHLOROETHANE
7U	1,2-DICHLOROETHENE (TOTAL)
7U	CHLOROFORM
7U	1,2-DICHLOROETHANE
13U	METHYL ETHYL KETONE
7U	1,1,1-TRICHLOROETHANE
7U	CARBON TETRACHLORIDE
13U	VINYL ACETATE
7U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
7U	1,2-DICHLOROPROPANE
7U	CIS-1,3-DICHLOROPROPENE
7U	TRICHLOROETHENE(TRICHLOROETHYLENE)
7U	DIBROMOCHLOROMETHANE
7U	1,1,2-TRICHLOROETHANE
7U	BENZENE
7U	TRANS-1,3-DICHLOROPROPENE
7U	BROMOFORM
13U	METHYL ISOBUTYL KETONE
13U	METHYL BUTYL KETONE
7U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7U	1,1,2,2-TETRACHLOROETHANE
7U	TOLUENE
7U	CHLOROBENZENE
7U	ETHYL BENZENE
7U	STYRENE
7U	TOTAL XYLENES
24	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PURGEABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45718 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-06

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1420 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T205

UG/KG	ANALYTICAL RESULTS
19U	CHLOROMETHANE
19U	BROMOMETHANE
19U	VINYL CHLORIDE
19U	CHLOROETHANE
20U	METHYLENE CHLORIDE
30U	ACETONE
9U	CARBON DISULFIDE
9U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
9U	1,1-DICHLOROETHANE
9U	1,2-DICHLOROETHENE (TOTAL)
9U	CHLOROFORM
9U	1,2-DICHLOROETHANE
19UR	METHYL ETHYL KETONE
9U	1,1,1-TRICHLOROETHANE
9U	CARBON TETRACHLORIDE
19U	VINYL ACETATE
9U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
9U	1,2-DICHLOROPROPANE
9U	CIS-1,3-DICHLOROPROPENE
9U	TRICHLOROETHENE(TRICHLOROETHYLENE)
9U	DIBROMOCHLOROMETHANE
9U	1,1,2-TRICHLOROETHANE
9U	BENZENE
9U	TRANS-1,3-DICHLOROPROPENE
9U	BROMOFORM
19U	METHYL ISOBUTYL KETONE
19U	METHYL BUTYL KETONE
9U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
9U	1,1,2,2-TETRACHLOROETHANE
9U	TOLUENE
9U	CHLOROBENZENE
9U	ETHYL BENZENE
9U	STYRENE
9U	TOTAL XYLENES
47	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

*** ***
** PROJECT NO. 90-436 SAMPLE NO. 45717 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY **
** SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL **
** STATION ID: SD-04 COLLECTION START: 05/02/90 1350 STOP: 00/00/00 **
** CASE.NO.: 14000 SAS NO.: D. NO.: T203 MD NO: T203 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

60JN	METHYL(METHYLETHYL)BICYCLOHEXENE
10JN	DIMETHYLMETHYLENEBICYCLOHEPTANE

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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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 13 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Extractable Organic Analysis;
90-436 INTERNATIONAL PAPER
MOBILE AL
CASE NO: 14000

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

CC:

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45709 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 0945 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T190

UG/KG	ANALYTICAL RESULTS
380U	PHENOL
380U	BIS(2-CHLOROETHYL) ETHER
380U	2-CHLOROPHENOL
380U	1,3-DICHLOROBENZENE
380U	1,4-DICHLOROBENZENE
380U	BENZYL ALCOHOL
380U	1,2-DICHLOROBENZENE
380U	2-METHYLPHENOL
380U	BIS(2-CHLOROISOPROPYL) ETHER
380U	(3-AND/OR 4-)METHYLPHENOL
380U	N-NITROSODI-N-PROPYLAMINE
380UR	HEXACHLOROETHANE
380U	NITROBENZENE
380U	ISOPHORONE
380U	2-NITROPHENOL
380U	2,4-DIMETHYLPHENOL
1900U	BENZOIC ACID
380U	BIS(2-CHLOROETHOXY) METHANE
380U	2,4-DICHLOROPHENOL
380U	1,2,4-TRICHLOROBENZENE
380U	NAPHTHALENE
380U	4-CHLOROANILINE
380U	HEXACHLOROBUTADIENE
380U	4-CHLORO-3-METHYLPHENOL
380U	2-METHYLNAPHTHALENE
380U	HEXACHLOROCYCLOPENTADIENE (HCCP)
380U	2,4,6-TRICHLOROPHENOL
1900U	2,4,5-TRICHLOROPHENOL
380U	2-CHLORONAPHTHALENE
1900U	2-NITROANILINE
380U	DIMETHYL PHTHALATE
380U	ACENAPHTHYLENE
380U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1900U	3-NITROANILINE
380U	ACENAPHTHENE
1900U	2,4-DINITROPHENOL
1900U	4-NITROPHENOL
380U	DIBENZOFURAN
380U	2,4-DINITROTOLUENE
380U	DIETHYL PHTHALATE
380U	4-CHLOROPHENYL PHENYL ETHER
380U	FLUORENE
1900U	4-NITROANILINE
1900U	2-METHYL-4,6-DINITROPHENOL
380U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
380U	4-BROMOPHENYL PHENYL ETHER
380U	HEXACHLOROBENZENE (HCB)
1900UJ	PENTACHLOROPHENOL
380U	PHENANTHRENE
380U	ANTHRACENE
380U	DI-N-BUTYLPHTHALATE
380U	FLUORANTHENE
380U	PYRENE
380U	BENZYL BUTYL PHTHALATE
770U	3,3'-DICHLOROBENZIDINE
380U	BENZO(A)ANTHRACENE
380U	CHRYSENE
380U	BIS(2-ETHYLHEXYL) PHTHALATE
380U	DI-N-OCTYLPHTHALATE
380U	BENZO(B AND/OR K)FLUORANTHENE
380U	BENZO-A-PYRENE
380U	INDENO (1,2,3-CD) PYRENE
380U	DIBENZO(A,H)ANTHRACENE
380U	BENZO(GHI)PERYLENE
14	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45710 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1000 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T191

UG/KG	ANALYTICAL RESULTS
410U	PHENOL
410U	BIS(2-CHLOROETHYL) ETHER
410U	2-CHLOROPHENOL
410U	1,3-DICHLOROBENZENE
410U	1,4-DICHLOROBENZENE
410U	BENZYL ALCOHOL
410U	1,2-DICHLOROBENZENE
410U	2-METHYLPHENOL
410U	BIS(2-CHLOROISOPROPYL) ETHER
410U	(3-AND/OR 4-)METHYLPHENOL
410U	N-NITROSODI-N-PROPYLAMINE
410UR	HEXACHLOROETHANE
410U	NITROBENZENE
410U	ISOPHORONE
410U	2-NITROPHENOL
410U	2,4-DIMETHYLPHENOL
2000U	BENZOIC ACID
410U	BIS(2-CHLOROETHOXY) METHANE
410U	2,4-DICHLOROPHENOL
410U	1,2,4-TRICHLOROBENZENE
410U	NAPHTHALENE
410U	4-CHLOROANILINE
410U	HEXACHLOROBUTADIENE
410U	4-CHLORO-3-METHYLPHENOL
410U	2-METHYLNAPHTHALENE
410U	HEXACHLOROCYCLOPENTADIENE (HCCP)
410U	2,4,6-TRICHLOROPHENOL
2000U	2,4,5-TRICHLOROPHENOL
410U	2-CHLORONAPHTHALENE
2000U	2-NITROANILINE
410U	DIMETHYL PHTHALATE
410U	ACENAPHTHYLENE
410U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2000U	3-NITROANILINE
410U	ACENAPHTHENE
2000U	2,4-DINITROPHENOL
2000U	4-NITROPHENOL
410U	DIBENZOFURAN
410U	2,4-DINITROTOLUENE
410U	DIETHYL PHTHALATE
410U	4-CHLOROPHENYL PHENYL ETHER
410U	FLUORENE
2000U	4 NITROANILINE
2000U	2-METHYL-4,6-DINITROPHENOL
410U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
410U	4-BROMOPHENYL PHENYL ETHER
410U	HEXACHLOROBENZENE (HCB)
2000UJ	PENTACHLOROPHENOL
410U	PHENANTHRENE
410U	ANTHRACENE
410U	DI-N-BUTYLPHTHALATE
410U	FLUORANTHENE
410U	PYRENE
410U	BENZYL BUTYL PHTHALATE
830U	3,3'-DICHLOROBENZIDINE
410U	BENZO(A)ANTHRACENE
410U	CHRYSENE
410U	BIS(2-ETHYLHEXYL) PHTHALATE
410U	DI-N-OCTYLPHTHALATE
410U	BENZO(B AND/OR K)FLUORANTHENE
410U	BENZO-A-PYRENE
410U	INDENO (1,2,3-CD) PYRENE
410U	DIBENZO(A,H)ANTHRACENE
410U	BENZO(GHI)PERYLENE
20	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45711 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1040 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T192

UG/KG	ANALYTICAL RESULTS
370U	PHENOL
370U	BIS(2-CHLOROETHYL) ETHER
370U	2-CHLOROPHENOL
370U	1,3-DICHLOROBENZENE
370U	1,4-DICHLOROBENZENE
370U	BENZYL ALCOHOL
370U	1,2-DICHLOROBENZENE
370U	2-METHYLPHENOL
370U	BIS(2-CHLOROISOPROPYL) ETHER
370U	(3-AND/OR 4-)METHYLPHENOL
370U	N-NITROSODI-N-PROPYLAMINE
370UR	HEXACHLOROETHANE
370U	NITROBENZENE
370U	ISOPHORONE
370U	2-NITROPHENOL
370U	2,4-DIMETHYLPHENOL
1800U	BENZOIC ACID
370U	BIS(2-CHLOROETHOXY) METHANE
370U	2,4-DICHLOROPHENOL
370U	1,2,4-TRICHLOROBENZENE
370U	NAPHTHALENE
370U	4-CHLOROANILINE
370U	HEXACHLOROBUTADIENE
370U	4-CHLORO-3-METHYLPHENOL
370U	2-METHYLNAPHTHALENE
370U	HEXACHLOROCYCLOPENTADIENE (HCCP)
370U	2,4,6-TRICHLOROPHENOL
1800U	2,4,5-TRICHLOROPHENOL
370U	2-CHLORONAPHTHALENE
1800U	2-NITROANILINE
370U	DIMETHYL PHTHALATE
370U	ACENAPHTHYLENE
370U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
1800U	3-NITROANILINE
370U	ACENAPHTHENE
1800U	2,4-DINITROPHENOL
1800U	4-NITROPHENOL
370U	DIBENZOFURAN
370U	2,4-DINITROTOLUENE
370U	DIETHYL PHTHALATE
370U	4-CHLOROPHENYL PHENYL ETHER
370U	FLUORENE
1800U	4 NITROANILINE
1800U	2-METHYL-4,6-DINITROPHENOL
370U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U	4-BROMOPHENYL PHENYL ETHER
370U	HEXACHLOROBENZENE (HCB)
1800UJ	PENTACHLOROPHENOL
370U	PHENANTHRENE
370U	ANTHRACENE
370U	DI-N-BUTYLPHTHALATE
370U	FLUORANTHENE
370U	PYRENE
370U	BENZYL BUTYL PHTHALATE
740U	3,3'-DICHLOROBENZIDINE
370U	BENZO(A)ANTHRACENE
370U	CHRYSENE
370U	BIS(2-ETHYLHEXYL) PHTHALATE
370U	DI-N-OCTYLPHTHALATE
370U	BENZO(B AND/OR K)FLUORANTHENE
370U	BENZO-A-PYRENE
370U	INDENO (1,2,3-CD) PYRENE
370U	DIBENZO(A,H)ANTHRACENE
370U	BENZO(GHI)PERYLENE
11	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45712 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1115 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T200

UG/KG	ANALYTICAL RESULTS
730U	PHENOL
730U	BIS(2-CHLOROETHYL) ETHER
730U	2-CHLOROPHENOL
730U	1,3-DICHLOROBENZENE
730U	1,4-DICHLOROBENZENE
730U	BENZYL ALCOHOL
730U	1,2-DICHLOROBENZENE
730U	2-METHYLPHENOL
730U	BIS(2-CHLOROISOPROPYL) ETHER
730U	(3-AND/OR 4-)METHYLPHENOL
730U	N-NITROSODI-N-PROPYLAMINE
730UR	HEXACHLOROETHANE
730U	NITROBENZENE
730U	ISOPHORONE
730U	2-NITROPHENOL
730U	2,4-DIMETHYLPHENOL
3600U	BENZOIC ACID
730U	BIS(2-CHLOROETHOXY) METHANE
730U	2,4-DICHLOROPHENOL
730U	1,2,4-TRICHLOROBENZENE
730U	NAPHTHALENE
730U	4-CHLOROANILINE
730U	HEXACHLOROBUTADIENE
730U	4-CHLORO-3-METHYLPHENOL
730U	2-METHYLNAPHTHALENE
730U	HEXACHLOROCYCLOPENTADIENE (HCCP)
730U	2,4,6-TRICHLOROPHENOL
3600U	2,4,5-TRICHLOROPHENOL
730U	2-CHLORONAPHTHALENE
3600U	2-NITROANILINE
730U	DIMETHYL PHTHALATE
730U	ACENAPHTHYLENE
730U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3600U	3-NITROANILINE
730U	ACENAPHTHENE
3600U	2,4-DINITROPHENOL
3600U	4-NITROPHENOL
730U	DIBENZOFURAN
730U	2,4-DINITROTOLUENE
730U	DIETHYL PHTHALATE
730U	4-CHLOROPHENYL PHENYL ETHER
730U	FLUORENE
3600U	4-NITROANILINE
3600U	2-METHYL-4,6-DINITROPHENOL
730U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
730U	4-BROMOPHENYL PHENYL ETHER
730U	HEXACHLOROBENZENE (HCB)
3600UJ	PENTACHLOROPHENOL
730U	PHENANTHRENE
730U	ANTHRACENE
730U	DI-N-BUTYLPHTHALATE
730U	FLUORANTHENE
730U	PYRENE
730U	BENZYL BUTYL PHTHALATE
1500U	3,3'-DICHLOROBENZIDINE
730U	BENZO(A)ANTHRACENE
730U	CHRYSENE
730U	BIS(2-ETHYLHEXYL) PHTHALATE
730U	DI-N-OCTYLPHTHALATE
730U	BENZO(B AND/OR K)FLUORANTHENE
730U	BENZO-A-PYRENE
730U	INDENO (1,2,3-CD) PYRENE
730U	DIBENZO(A,H)ANTHRACENE
730U	BENZO(GHI)PERYLENE
55	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45713 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1230 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T208

UG/KG	ANALYTICAL RESULTS
430U	PHENOL
430U	BIS(2-CHLOROETHYL) ETHER
430U	2-CHLOROPHENOL
430U	1,3-DICHLOROBENZENE
430U	1,4-DICHLOROBENZENE
430U	BENZYL ALCOHOL
430U	1,2-DICHLOROBENZENE
430U	2-METHYLPHENOL
430U	BIS(2-CHLOROISOPROPYL) ETHER
430U	(3-AND/OR 4-)METHYLPHENOL
430U	N-NITROSODI-N-PROPYLAMINE
430UR	HEXACHLOROETHANE
430U	NITROBENZENE
430U	ISOPHORONE
430U	2-NITROPHENOL
430U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
430U	BIS(2-CHLOROETHOXY) METHANE
430U	2,4-DICHLOROPHENOL
430U	1,2,4-TRICHLOROBENZENE
430U	NAPHTHALENE
430U	4-CHLOROANILINE
430U	HEXACHLOROBUTADIENE
430U	4-CHLORO-3-METHYLPHENOL
430U	2-METHYLNAPHTHALENE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)
430U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
430U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
430U	DIMETHYL PHTHALATE
430U	ACENAPHTHYLENE
430U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
430U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
430U	DIBENZOFURAN
430U	2,4-DINITROTOLUENE
430U	DIETHYL PHTHALATE
430U	4-CHLOROPHENYL PHENYL ETHER
430U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	4-BROMOPHENYL PHENYL ETHER
430U	HEXACHLOROBENZENE (HCB)
2100UJ	PENTACHLOROPHENOL
430U	PHENANTHRENE
430U	ANTHRACENE
430U	DI-N-BUTYLPHTHALATE
430U	FLUORANTHENE
430U	PYRENE
430U	BENZYL BUTYL PHTHALATE
850U	3,3'-DICHLOROBENZIDINE
430U	BENZO(A)ANTHRACENE
430U	CHRYSENE
430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	DI-N-OCTYLPHTHALATE
430U	BENZO(B AND/OR K)FLUORANTHENE
430U	BENZO-A-PYRENE
430U	INDENO (1,2,3-CD) PYRENE
430U	DIBENZO(A,H)ANTHRACENE
430U	BENZO(GHI)PERYLENE
23	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45714 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY
SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL
STATION ID: SD-02 COLLECTION START: 05/02/90 1250 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T201

UG/KG	ANALYTICAL RESULTS
430U	PHENOL
430U	BIS(2-CHLOROETHYL) ETHER
430U	2-CHLOROPHENOL
430U	1,3-DICHLOROBENZENE
430U	1,4-DICHLOROBENZENE
430U	BENZYL ALCOHOL
430U	1,2-DICHLOROBENZENE
430U	2-METHYLPHENOL
430U	BIS(2-CHLOROISOPROPYL) ETHER
430U	(3-AND/OR 4-)METHYLPHENOL
430U	N-NITROSODI-N-PROPYLAMINE
430UR	HEXACHLOROETHANE
430U	NITROBENZENE
430U	ISOPHORONE
430U	2-NITROPHENOL
430U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
430U	BIS(2-CHLOROETHOXY) METHANE
430U	2,4-DICHLOROPHENOL
430U	1,2,4-TRICHLOROBENZENE
430U	NAPHTHALENE
430U	4-CHLOROANILINE
430U	HEXACHLOROBUTADIENE
430U	4-CHLORO-3-METHYLPHENOL
430U	2-METHYLNAPHTHALENE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)
430U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
430U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
430U	DIMETHYL PHTHALATE
430U	ACENAPHTHYLENE
430U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
430U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
430U	DIBENZOFURAN
430U	2,4-DINITROTOLUENE
430U	DIETHYL PHTHALATE
430U	4-CHLOROPHENYL PHENYL ETHER
430U	FLUORENE
2100U	4-NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	4-BROMOPHENYL PHENYL ETHER
430U	HEXACHLOROBENZENE (HCB)
2100UJ	PENTACHLOROPHENOL
430U	PHENANTHRENE
430U	ANTHRACENE
430U	DI-N-BUTYLPHTHALATE
430U	FLUORANTHENE
430U	PYRENE
430U	BENZYL BUTYL PHTHALATE
870U	3,3'-DICHLOROBENZIDINE
430U	BENZO(A)ANTHRACENE
430U	CHRYSENE
430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	DI-N-OCTYLPHTHALATE
430U	BENZO(B AND/OR K)FLUORANTHENE
430U	BENZO-A-PYRENE
430U	INDENO (1,2,3-CD) PYRENE
430U	DIBENZO(A,H)ANTHRACENE
430U	BENZO(GHI)PERYLENE
24	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45715 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1330 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T202

UG/KG	ANALYTICAL RESULTS
980U	PHENOL
980U	BIS(2-CHLOROETHYL) ETHER
980U	2-CHLOROPHENOL
980U	1,3-DICHLOROBENZENE
980U	1,4-DICHLOROBENZENE
980U	BENZYL ALCOHOL
980U	1,2-DICHLOROBENZENE
980U	2-METHYLPHENOL
980U	BIS(2-CHLOROISOPROPYL) ETHER
980U	(3-AND/OR 4-)METHYLPHENOL
980U	N-NITROSODI-N-PROPYLAMINE
980UR	HEXACHLOROETHANE
980U	NITROBENZENE
980U	ISOPHORONE
980U	2-NITROPHENOL
980U	2,4-DIMETHYLPHENOL
4800U	BENZOIC ACID
980U	BIS(2-CHLOROETHOXY) METHANE
980U	2,4-DICHLOROPHENOL
980U	1,2,4-TRICHLOROBENZENE
980U	NAPHTHALENE
980U	4-CHLOROANILINE
980U	HEXACHLOROBUTADIENE
980U	4-CHLORO-3-METHYLPHENOL
980U	2-METHYLNAPHTHALENE
980U	HEXACHLOROCYCLOPENTADIENE (HCCP)
980U	2,4,6-TRICHLOROPHENOL
4800U	2,4,5-TRICHLOROPHENOL
980U	2-CHLORONAPHTHALENE
4800U	2-NITROANILINE
980U	DIMETHYL PHTHALATE
980U	ACENAPHTHYLENE
980U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4800U	3-NITROANILINE
980U	ACENAPHTHENE
4800U	2,4-DINITROPHENOL
4800U	4-NITROPHENOL
980U	DIBENZOFURAN
980U	2,4-DINITROTOLUENE
980U	DIETHYL PHTHALATE
980U	4-CHLOROPHENYL PHENYL ETHER
980U	FLUORENE
4800U	4 NITROANILINE
4800U	2-METHYL-4,6-DINITROPHENOL
980U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
980U	4-BROMOPHENYL PHENYL ETHER
980U	HEXACHLOROBENZENE (HCB)
4800UJ	PENTACHLOROPHENOL
980U	PHENANTHRENE
980U	ANTHRACENE
980U	DI-N-BUTYLPHTHALATE
980U	FLUORANTHENE
980U	PYRENE
980U	BENZYL BUTYL PHTHALATE
2000U	3,3'-DICHLOROBENZIDINE
980U	BENZO(A)ANTHRACENE
980U	CHRYSENE
980U	BIS(2-ETHYLHEXYL) PHTHALATE
980U	DI-N-OCTYLPHTHALATE
980U	BENZO(B AND/OR K)FLUORANTHENE
980U	BENZO-A-PYRENE
980U	INDENO (1,2,3-CD) PYRENE
980U	DIBENZO(A,H)ANTHRACENE
980U	BENZO(GHI)PERYLENE
67	PERCENT MOISTURE

REMARKS

REMARKS

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45716 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-05

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1335 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T204

UG/KG	ANALYTICAL RESULTS
1300U	PHENOL
1300U	BIS(2-CHLOROETHYL) ETHER
1300U	2-CHLOROPHENOL
1300U	1,3-DICHLOROBENZENE
1300U	1,4-DICHLOROBENZENE
1300U	BENZYL ALCOHOL
1300U	1,2-DICHLOROBENZENE
1300U	2-METHYLPHENOL
1300U	BIS(2-CHLOROISOPROPYL) ETHER
1300U	(3-AND/OR 4-)METHYLPHENOL
1300U	N-NITROSODI-N-PROPYLAMINE
1300UR	HEXACHLOROETHANE
1300U	NITROBENZENE
1300U	ISOPHORONE
1300U	2-NITROPHENOL
1300U	2,4-DIMETHYLPHENOL
6100U	BENZOIC ACID
1300U	BIS(2-CHLOROETHOXY) METHANE
1300U	2,4-DICHLOROPHENOL
1300U	1,2,4-TRICHLOROBENZENE
1300U	NAPHTHALENE
1300U	4-CHLOROANILINE
1300U	HEXACHLOROBUTADIENE
1300U	4-CHLORO-3-METHYLPHENOL
1300U	2-METHYLNAPHTHALENE
1300U	HEXACHLOROCYCLOPENTADIENE (HCCP)
1300U	2,4,6-TRICHLOROPHENOL
6100U	2,4,5-TRICHLOROPHENOL
1300U	2-CHLORONAPHTHALENE
6100U	2-NITROANILINE
1300U	DIMETHYL PHTHALATE
1300U	ACENAPHTHYLENE
1300U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
6100U	3-NITROANILINE
1300U	ACENAPHTHENE
6100U	2,4-DINITROPHENOL
6100U	4-NITROPHENOL
1300U	DIBENZOFURAN
1300U	2,4-DINITROTOLUENE
1300U	DIETHYL PHTHALATE
1300U	4-CHLOROPHENYL PHENYL ETHER
1300U	FLUORENE
6100U	4-NITROANILINE
6100U	2-METHYL-4,6-DINITROPHENOL
1300U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1300U	4-BROMOPHENYL PHENYL ETHER
1300U	HEXACHLOROBENZENE (HCB)
6100UJ	PENTACHLOROPHENOL
1300U	PHENANTHRENE
1300U	ANTHRACENE
1300U	DI-N-BUTYLPHTHALATE
1300U	FLUORANTHENE
1300U	PYRENE
1300U	BENZYL BUTYL PHTHALATE
2500U	3,3'-DICHLOROBENZIDINE
1300U	BENZO(A)ANTHRACENE
1300U	CHRYSENE
1300U	BIS(2-ETHYLHEXYL) PHTHALATE
1300U	DI-N-OCTYLPHTHALATE
1300U	BENZO(B AND/OR K)FLUORANTHENE
1300U	BENZO-A-PYRENE
1300U	INDENO (1,2,3-CD) PYRENE
1300U	DIBENZO(A,H)ANTHRACENE
1300U	BENZO(GHI)PERYLENE
75	PERCENT MOISTURE

REMARKS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

EXTRACTABLE ORGANICS DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45717 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-04

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1350 STOP: 00/00/00

CASE NO.: 14000 SAS NO.: D. NO.: T203

UG/KG	ANALYTICAL RESULTS
430U	PHENOL
430U	BIS(2-CHLOROETHYL) ETHER
430U	2-CHLOROPHENOL
430U	1,3-DICHLOROBENZENE
430U	1,4-DICHLOROBENZENE
430U	BENZYL ALCOHOL
430U	1,2-DICHLOROBENZENE
430U	2-METHYLPHENOL
430U	BIS(2-CHLOROISOPROPYL) ETHER
430U	(3-AND/OR 4-)METHYLPHENOL
430U	N-NITROSODI-N-PROPYLAMINE
430UR	HEXACHLOROETHANE
430U	NITROBENZENE
430U	ISOPHORONE
430U	2-NITROPHENOL
430U	2,4-DIMETHYLPHENOL
2100U	BENZOIC ACID
430U	BIS(2-CHLOROETHOXY) METHANE
430U	2,4-DICHLOROPHENOL
430U	1,2,4-TRICHLOROBENZENE
430U	NAPHTHALENE
430U	4-CHLOROANILINE
430U	HEXACHLOROBUTADIENE
430U	4-CHLORO-3-METHYLPHENOL
430U	2-METHYLNAPHTHALENE
430U	HEXACHLOROCYCLOPENTADIENE (HCCP)
430U	2,4,6-TRICHLOROPHENOL
2100U	2,4,5-TRICHLOROPHENOL
430U	2-CHLORONAPHTHALENE
2100U	2-NITROANILINE
430U	DIMETHYL PHTHALATE
430U	ACENAPHTHYLENE
430U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
2100U	3-NITROANILINE
430U	ACENAPHTHENE
2100U	2,4-DINITROPHENOL
2100U	4-NITROPHENOL
430U	DIBENZOFURAN
430U	2,4-DINITROTOLUENE
430U	DIETHYL PHTHALATE
430U	4-CHLOROPHENYL PHENYL ETHER
430U	FLUORENE
2100U	4 NITROANILINE
2100U	2-METHYL-4,6-DINITROPHENOL
430U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
430U	4-BROMOPHENYL PHENYL ETHER
430U	HEXACHLOROBENZENE (HCB)
2100UJ	PENTACHLOROPHENOL
430U	PHENANTHRENE
430U	ANTHRACENE
430U	DI-N-BUTYLPHTHALATE
430U	FLUORANTHENE
430U	PYRENE
430U	BENZYL BUTYL PHTHALATE
870U	3,3'-DICHLOROBENZIDINE
430U	BENZO(A)ANTHRACENE
430U	CHRYSENE
430U	BIS(2-ETHYLHEXYL) PHTHALATE
430U	DI-N-OCTYLPHTHALATE
430U	BENZO(B AND/OR K)FLUORANTHENE
430U	BENZO-A-PYRENE
430U	INDENO (1,2,3-CD) PYRENE
430U	DIBENZO(A,H)ANTHRACENE
430U	BENZO(GHI)PERYLENE
24	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45718 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-06
PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1420 STOP: 00/00/00
CASE NO.: 14000 SAS NO.: D. NO.: T205

UG/KG	ANALYTICAL RESULTS
620U	PHENOL
620U	BIS(2-CHLOROETHYL) ETHER
620U	2-CHLOROPHENOL
620U	1,3-DICHLOROBENZENE
620U	1,4-DICHLOROBENZENE
620U	BENZYL ALCOHOL
620U	1,2-DICHLOROBENZENE
620U	2-METHYLPHENOL
620U	BIS(2-CHLOROISOPROPYL) ETHER
620U	(3-AND/OR 4-)METHYLPHENOL
620U	N-NITROSODI-N-PROPYLAMINE
620UR	HEXACHLOROETHANE
620U	NITROBENZENE
620U	ISOPHORONE
620U	2-NITROPHENOL
620U	2,4-DIMETHYLPHENOL
3000U	BENZOIC ACID
620U	BIS(2-CHLOROETHOXY) METHANE
620U	2,4-DICHLOROPHENOL
620U	1,2,4-TRICHLOROBENZENE
620U	NAPHTHALENE
620U	4-CHLOROANILINE
620U	HEXACHLOROBUTADIENE
620U	4-CHLORO-3-METHYLPHENOL
74J	2-METHYLNAPHTHALENE
620U	HEXACHLOROCYCLOPENTADIENE (HCCP)
620U	2,4,6-TRICHLOROPHENOL
3000U	2,4,5-TRICHLOROPHENOL
620U	2-CHLORONAPHTHALENE
3000U	2-NITROANILINE
620U	DIMETHYL PHTHALATE
620U	ACENAPHTHYLENE
620U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3000U	3-NITROANILINE
620U	ACENAPHTHENE
3000U	2,4-DINITROPHENOL
3000U	4-NITROPHENOL
620U	DIBENZOFURAN
620U	2,4-DINITROTOLUENE
620U	DIETHYL PHTHALATE
620U	4-CHLOROPHENYL PHENYL ETHER
620U	FLUORENE
3000U	4 NITROANILINE
3000U	2-METHYL-4,6-DINITROPHENOL
620U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
620U	4-BROMOPHENYL PHENYL ETHER
620U	HEXACHLOROBENZENE (HCB)
3000UJ	PENTACHLOROPHENOL
110J	PHENANTHRENE
620U	ANTHRACENE
620U	DI-N-BUTYLPHTHALATE
260J	FLUORANTHENE
210J	PYRENE
620U	BENZYL BUTYL PHTHALATE
1200U	3,3'-DICHLOROBENZIDINE
200J	BENZO(A)ANTHRACENE
190J	CHRYSENE
620U	BIS(2-ETHYLHEXYL) PHTHALATE
620U	DI-N-OCTYLPHTHALATE
620U	BENZO(B AND/OR K)FLUORANTHENE
620U	BENZO-A-PYRENE
620U	INDENO (1,2,3-CD) PYRENE
620U	DIBENZO(A,H)ANTHRACENE
620U	BENZO(GHI)PERYLENE
47	PERCENT MOISTURE

REMARKS

REMARKS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-436 SAMPLE NO. 45709 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: L CONWAY **
** SOURCE: CITY: MOBILE ST: AL **
** STATION ID: SS-01 COLLECTION START: 05/02/90 0945 STOP: 00/00/00 **
** CASE.NO.: 14000 SAS NO.: D. NO.: T190 MD NO: T190 **
**   **
*** ***

ANALYTICAL RESULTS UG/KG

400J 1 UNIDENTIFIED COMPOUND

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-436 SAMPLE NO. 45711 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY **
** SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL **
** STATION ID: SS-02 COLLECTION START: 05/02/90 1040 STOP: 00/00/00 **
** CASE.NO.: 14000 SAS NO.: D. NO.: T192 MD NO: T192 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

10000J 13 UNIDENTIFIED COMPOUND

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-436 SAMPLE NO. 45712 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY **
** SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL **
** STATION ID: SD-01 COLLECTION START: 05/02/90 1115 STOP: 00/00/00 **
** CASE.NO.: 14000 SAS NO.: D. NO.: T200 MD NO: T200 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

20000J	14 UNIDENTIFIED COMPOUNDS
1000JN	TETRAMETHYLPHENANTHRENE

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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**   PROJECT NO. 90-436   SAMPLE NO. 45713  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: L CONWAY             **
**   SOURCE: INTERNATIONAL PAPER                                     CITY: MOBILE                 ST: AL                  **
**   STATION ID: SB-02                                               COLLECTION START: 05/02/90  1230   STOP: 00/00/00    **
**   CASE.NO.: 14000         SAS NO.:                                D. NO.: T208                MD NO: T208              **
**                                                                                                                        **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
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ANALYTICAL RESULTS UG/KG

5000J   8 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 90-436 SAMPLE NO. 45714 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY **
** SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL **
** STATION ID: SD-02 COLLECTION START: 05/02/90 1250 STOP: 00/00/00 **
** CASE.NO.: 14000 SAS NO.: D. NO.: T201 MD NO: T201 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

1000JN	HEXADECANOIC ACID
500JN	TETRAMETHYLPHENANTHRENE
20000J	18 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45715 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY
SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL
STATION ID: SD-03 COLLECTION START: 05/02/90 1330 STOP: 00/00/00
CASE.NO.: 14000 SAS NO.: D. NO.: T202 MD NO: T202

ANALYTICAL RESULTS UG/KG

30000J 12 UNIDENTIFIED COMPOUNDS

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45716 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: L CONWAY
SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL
STATION ID: SD-05 COLLECTION START: 05/02/90 1335 STOP: 00/00/00
CASE.NO.: 14000 SAS NO.: D. NO.: T204 MD NO: T204

ANALYTICAL RESULTS UG/KG

10000JN	CINEOLE
4000JN	TERPIN HYDRATE
2000JN	CARYOPHYLLENE
	OCTAHYDROMETHYLMETHYLENE(METHYLETHYL)-
4000JN	NAPHTHALENE (2 ISOMERS)
3000JN	DIMETHYL(METHYLETHYL)NAPHTHALENE
90000J	14 UNIDENTIFIED COMPOUNDS

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45717 SAMPLE TYPE: SOIL
PROG ELEM: NSF COLLECTED BY: L CONWAY
SOURCE: INTERNATIONAL PAPER
CITY: MOBILE ST: AL
STATION ID: SD-04
COLLECTION START: 05/02/90 1350 STOP: 00/00/00
CASE.NO.: 14000 SAS NO.:
D. NO.: T203 MD NO: T203

ANALYTICAL RESULTS UG/KG

10000J	9 UNIDENTIFIED COMPOUNDS
1000JN	ETHYLIDENEBISETHYLBENZENE
2000JN	TETRAMETHYLPHENANTHRENE
700JN	HEXATHIEPANE

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-REGION IV ESD, ATHENS, GA.

06/05/90

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45718 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTEDY: L CONWAY
SOURCE: INTERNATIONAL PAPER CITY: MOBILE ST: AL
STATION ID: SD-06 COLLECTION START: 05/02/90 1420 STOP: 00/00/00
CASE.NO.: 14000 SAS NO.: D. NO.: T205 MD NO: T205

ANALYTICAL RESULTS UG/KG

20000J	15 UNIDENTIFIED COMPOUNDS
700JN	ETHYLDIMETHYLBENZENE

FOOTNOTES
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
COLLEGE STATION RD.
ATHENS, GA. 30613

SISB/SAS
RECEIVED
JUN 13 1990
EPA - REGION IV
ATLANTA, GA.

*****MEMORANDUM******

DATE: 06/06/90

SUBJECT: Results of Pesticide/PCB Analysis;
90-436 INTERNATIONAL PAPER
MOBILE AL
CASE NO: 14000

FROM: Robert W. Knight
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

Attached are the results of analysis of samples collected as part of the subject project.

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45709 SAMPLE TYPE:
SOURCE:
STATION ID: SS-01
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 0945 STOP: 00/00/00
D. NUMBER: T190

UG/KG	ANALYTICAL RESULTS
9.3U	ALPHA-BHC
9.3U	BETA-BHC
9.3U	DELTA-BHC
9.3U	GAMMA-BHC (LINDANE)
9.3U	HEPTACHLOR
9.3U	ALDRIN
9.3U	HEPTACHLOR EPOXIDE
9.3U	ENDOSULFAN I (ALPHA)
19.U	DIELDRIN
19.U	4,4'-DDE (P,P'-DDE)
19.U	ENDRIN
19.U	ENDOSULFAN II (BETA)
19.U	4,4'-DDD (P,P'-DDD)
19.U	ENDOSULFAN SULFATE
19.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
93.U	METHOXYCHLOR
19.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
93.U	GAMMA-CHLORDANE /2
93.U	ALPHA-CHLORDANE /2
190U	TOXAPHENE
93.U	PCB-1016 (AROCLOR 1016)
93.U	PCB-1221 (AROCLOR 1221)
93.U	PCB-1232 (AROCLOR 1232)
93.U	PCB 1242 (AROCLOR 1242)
93.U	PCB-1248 (AROCLOR 1248)
190U	PCB-1254 (AROCLOR 1254)
190U	PCB-1260 (AROCLOR 1260)
14	PERCENT MOISTURE

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 QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45710 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-01
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1000 STOP: 00/00/00
D. NUMBER: T191

UG/KG	ANALYTICAL RESULTS
10.U	ALPHA-BHC
10.U	BETA-BHC
10.U	DELTA-BHC
10.U	GAMMA-BHC (LINDANE)
10.U	HEPTACHLOR
10.U	ALDRIN
10.U	HEPTACHLOR EPOXIDE
10.U	ENDOSULFAN I (ALPHA)
20.U	DIELDRIN
20.U	4,4'-DDE (P,P'-DDE)
20.U	ENDRIN
20.U	ENDOSULFAN II (BETA)
20.U	4,4'-DDD (P,P'-DDD)
20.U	ENDOSULFAN SULFATE
20.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
100U	METHOXYCHLOR
20.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
100U	GAMMA-CHLORDANE /2
100U	ALPHA-CHLORDANE /2
200U	TOXAPHENE
100U	PCB-1016 (AROCLOR 1016)
100U	PCB-1221 (AROCLOR 1221)
100U	PCB-1232 (AROCLOR 1232)
100U	PCB-1242 (AROCLOR 1242)
100U	PCB-1248 (AROCLOR 1248)
200U	PCB-1254 (AROCLOR 1254)
200U	PCB-1260 (AROCLOR 1260)
20	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45711 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SS-02
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1040 STOP: 00/00/00
D. NUMBER: T192

UG/KG	ANALYTICAL RESULTS
9.0U	ALPHA-BHC
9.0U	BETA-BHC
9.0U	DELTA-BHC
9.0U	GAMMA-BHC (LINDANE)
9.0U	HEPTACHLOR
9.0U	ALDRIN
9.0U	HEPTACHLOR EPOXIDE
9.0U	ENDOSULFAN I (ALPHA)
18.U	DIELDRIN
18.U	4,4'-DDE (P,P'-DDE)
18.U	ENDRIN
18.U	ENDOSULFAN II (BETA)
18.U	4,4'-DDD (P,P'-DDD)
18.U	ENDOSULFAN SULFATE
18.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
90.U	METHOXYCHLOR
18.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
90.U	GAMMA-CHLORDANE /2
90.U	ALPHA-CHLORDANE /2
180U	TOXAPHENE
90.U	PCB-1016 (AROCLOR 1016)
90.U	PCB-1221 (AROCLOR 1221)
90.U	PCB-1232 (AROCLOR 1232)
90.U	PCB-1242 (AROCLOR 1242)
90.U	PCB-1248 (AROCLOR 1248)
180U	PCB-1254 (AROCLOR 1254)
180U	PCB-1260 (AROCLOR 1260)
11	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45712 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-01
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1115 STOP: 00/00/00
D. NUMBER: T200

UG/KG	ANALYTICAL RESULTS
18.U	ALPHA-BHC
18.U	BETA-BHC
18.U	DELTA-BHC
18.U	GAMMA-BHC (LINDANE)
18.U	HEPTACHLOR
18.U	ALDRIN
18.U	HEPTACHLOR EPOXIDE
18.U	ENDOSULFAN I (ALPHA)
36.U	DIELDRIN
36.U	4,4'-DDE (P,P'-DDE)
36.U	ENDRIN
36.U	ENDOSULFAN II (BETA)
36.U	4,4'-DDD (P,P'-DDD)
36.U	ENDOSULFAN SULFATE
36.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
180U	METHOXYCHLOR
36.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
180U	GAMMA-CHLORDANE /2
180U	ALPHA-CHLORDANE /2
360U	TOXAPHENE
180U	PCB-1016 (AROCLOR 1016)
180U	PCB-1221 (AROCLOR 1221)
180U	PCB-1232 (AROCLOR 1232)
180U	PCB 1242 (AROCLOR 1242)
180U	PCB-1248 (AROCLOR 1248)
360U	PCB-1254 (AROCLOR 1254)
360U	PCB-1260 (AROCLOR 1260)
55	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45713 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SB-02
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1230 STOP: 00/00/00
D. NUMBER: T208

UG/KG	ANALYTICAL RESULTS
10.U	ALPHA-BHC
10.U	BETA-BHC
10.U	DELTA-BHC
10.U	GAMMA-BHC (LINDANE)
10.U	HEPTACHLOR
10.U	ALDRIN
10.U	HEPTACHLOR EPOXIDE
10.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
100U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
100U	GAMMA-CHLORDANE /2
100U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
100U	PCB-1016 (AROCLOR 1016)
100U	PCB-1221 (AROCLOR 1221)
100U	PCB-1232 (AROCLOR 1232)
100U	PCB 1242 (AROCLOR 1242)
100U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
23	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

06/05/90

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 90-436 SAMPLE NO. 45714 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-02
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1250 STOP: 00/00/00
D. NUMBER: T201

UG/KG	ANALYTICAL RESULTS
10.U	ALPHA-BHC
10.U	BETA-BHC
10.U	DELTA-BHC
10.U	GAMMA-BHC (LINDANE)
10.U	HEPTACHLOR
10.U	ALDRIN
10.U	HEPTACHLOR EPOXIDE
10UR	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
100U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
100U	GAMMA-CHLORDANE /2
100U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
100U	PCB-1016 (AROCLOR 1016)
100U	PCB-1221 (AROCLOR 1221)
100U	PCB-1232 (AROCLOR 1232)
100U	PCB-1242 (AROCLOR 1242)
100U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
24	PERCENT MOISTURE

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-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45715 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-03
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1330 STOP: 00/00/00
D. NUMBER: T202

UG/KG	ANALYTICAL RESULTS
24.U	ALPHA-BHC
24.U	BETA-BHC
24.U	DELTA-BHC
24.U	GAMMA-BHC (LINDANE)
24.U	HEPTACHLOR
24.U	ALDRIN
24.U	HEPTACHLOR EPOXIDE
24.U	ENDOSULFAN I (ALPHA)
48.U	DIELDRIN
48.U	4,4'-DDE (P,P'-DDE)
48.U	ENDRIN
48.U	ENDOSULFAN II (BETA)
48.U	4,4'-DDD (P,P'-DDD)
48.U	ENDOSULFAN SULFATE
48.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
240U	METHOXYCHLOR
48.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
240U	GAMMA-CHLORDANE /2
240U	ALPHA-CHLORDANE /2
480U	TOXAPHENE
240U	PCB-1016 (AROCLOR 1016)
240U	PCB-1221 (AROCLOR 1221)
240U	PCB-1232 (AROCLOR 1232)
240U	PCB-1242 (AROCLOR 1242)
240U	PCB-1248 (AROCLOR 1248)
480U	PCB-1254 (AROCLOR 1254)
480U	PCB-1260 (AROCLOR 1260)
66	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45716 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-05
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1335 STOP: 00/00/00
D. NUMBER: T204

UG/KG	ANALYTICAL RESULTS
30.U	ALPHA-BHC
30.U	BETA-BHC
30.U	DELTA-BHC
30.U	GAMMA-BHC (LINDANE)
30.U	HEPTACHLOR
30.U	ALDRIN
30.U	HEPTACHLOR EPOXIDE
30.U	ENDOSULFAN I (ALPHA)
61.U	DIELDRIN
61.U	4,4'-DDE (P,P'-DDE)
61.U	ENDRIN
61.U	ENDOSULFAN II (BETA)
61.U	4,4'-DDD (P,P'-DDD)
61.U	ENDOSULFAN SULFATE
61.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
300U	METHOXYCHLOR
61.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
300U	GAMMA-CHLORDANE /2
300U	ALPHA-CHLORDANE /2
610U	TOXAPHENE
300U	PCB-1016 (AROCLOR 1016)
300U	PCB-1221 (AROCLOR 1221)
300U	PCB-1232 (AROCLOR 1232)
300U	PCB-1242 (AROCLOR 1242)
300U	PCB-1248 (AROCLOR 1248)
610U	PCB-1254 (AROCLOR 1254)
610U	PCB-1260 (AROCLOR 1260)
75	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45717 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-04
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1350 STOP: 00/00/00
D. NUMBER: T203

UG/KG	ANALYTICAL RESULTS
10.U	ALPHA-BHC
230U	BETA-BHC
10.U	DELTA-BHC
10.U	GAMMA-BHC (LINDANE)
10.U	HEPTACHLOR
10.U	ALDRIN
10.U	HEPTACHLOR EPOXIDE
10.U	ENDOSULFAN I (ALPHA)
21.U	DIELDRIN
21.U	4,4'-DDE (P,P'-DDE)
21.U	ENDRIN
21.U	ENDOSULFAN II (BETA)
21.U	4,4'-DDD (P,P'-DDD)
21.U	ENDOSULFAN SULFATE
21.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
100U	METHOXYCHLOR
21.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
100U	GAMMA-CHLORDANE /2
100U	ALPHA-CHLORDANE /2
210U	TOXAPHENE
100U	PCB-1016 (AROCLOR 1016)
100U	PCB-1221 (AROCLOR 1221)
100U	PCB-1232 (AROCLOR 1232)
100U	PCB 1242 (AROCLOR 1242)
100U	PCB-1248 (AROCLOR 1248)
210U	PCB-1254 (AROCLOR 1254)
210U	PCB-1260 (AROCLOR 1260)
24	PERCENT MOISTURE

FOOTNOTES
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM
EPA-REGION IV ESD, ATHENS, GA.

PESTICIDES/PCB'S DATA REPORT 06/05/90

PROJECT NO. 90-436 SAMPLE NO. 45718 SAMPLE TYPE: SOIL
SOURCE: INTERNATIONAL PAPER
STATION ID: SD-06
CASE NUMBER: 14000 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: L CONWAY
CITY: MOBILE ST: AL
COLLECTION START: 05/02/90 1420 STOP: 00/00/00
D. NUMBER: T205

UG/KG	ANALYTICAL RESULTS
15.U	ALPHA-BHC
15.U	BETA-BHC
15.U	DELTA-BHC
15.U	GAMMA-BHC (LINDANE)
15.U	HEPTACHLOR
15.U	ALDRIN
15.U	HEPTACHLOR EPOXIDE
15.U	ENDOSULFAN I (ALPHA)
30.U	DIELDRIN
30.U	4,4'-DDE (P,P'-DDE)
30.U	ENDRIN
30.U	ENDOSULFAN II (BETA)
30.U	4,4'-DDD (P,P'-DDD)
30.U	ENDOSULFAN SULFATE
30.U	4,4'-DDT (P,P'-DDT)

UG/KG	ANALYTICAL RESULTS
150U	METHOXYCHLOR
30.U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
150U	GAMMA-CHLORDANE /2
150U	ALPHA-CHLORDANE /2
300U	TOXAPHENE
150U	PCB-1016 (AROCLOR 1016)
150U	PCB-1221 (AROCLOR 1221)
150U	PCB-1232 (AROCLOR 1232)
150U	PCB 1242 (AROCLOR 1242)
150U	PCB-1248 (AROCLOR 1248)
300U	PCB-1254 (AROCLOR 1254)
2400	PCB-1260 (AROCLOR 1260)
47	PERCENT MOISTURE

FOOTNOTES
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Wade Knight for your Review!!

R-586-2-0-9

STUDY PLAN
SCREENING SITE INSPECTION, PHASE II
ALABAMA POWER COMPANY, BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA
EPA ID #: ALD082148800

Prepared Under
TDD No. F4-9001-181
CONTRACT NO. 68-01-7346

Revision 0

FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

FEBRUARY 14, 1990

NUS CORPORATION
SUPERFUND DIVISION

Prepared By	Reviewed By	Approved By
R. Roger Franklin Project Manager	Phil Blackwell Assistant Regional Project Manager	Murray Warner, P.E. Regional Project Manager

FEB 20 1990

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STUDY PLAN

SCREENING SITE INSPECTION, PHASE II

ALABAMA POWER COMPANY, BARRY STEAM PLANT

BUCKS, MOBILE COUNTY, ALABAMA

EPA ID #ALD082148800

TDD NO. F4-9001-181

1.0 INTRODUCTION

The NUS Corporation Region 4 Field Investigation Team (FIT) has been tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Screening Site Inspection (SSI) at the Alabama Power Company, Barry Steam Plant facility in Mobile County, Alabama. The inspection will be performed under the authority of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA). Tasks will be performed to satisfy the requirements stated in Phase II of Technical Directive Document (TDD) number F4-9001-181.

1.1 Objectives

The objectives of this Phase II inspection will be to determine the nature of contaminants present at the site and to determine if a release of these substances has occurred or may occur. Further, this inspection will seek to determine the possible pathways by which contamination could migrate from the site and the populations and environments it would potentially affect. Through these objectives, a recommendation will be made regarding future activities at the site.

Specific elements are:

- Obtain information to prepare a site-specific preliminary HRS
- Provide EPA the necessary information to make decisions on any other actions warranted at the site.

1.2 Scope of Work

The scope of this investigation will include the following activities:

- Obtain and review background materials relevant to HRS scoring of site
- Obtain aerial photographs and maps of site, if possible
- Determine location and distance to nearest potable well
- Develop a site sketch
- Collect environmental samples

1.3 Schedule

April 30, 1990

1.4 Personnel

Project Manager - R. Roger Franklin
Other personnel as required

1.5 Permits and Authorization Requirements

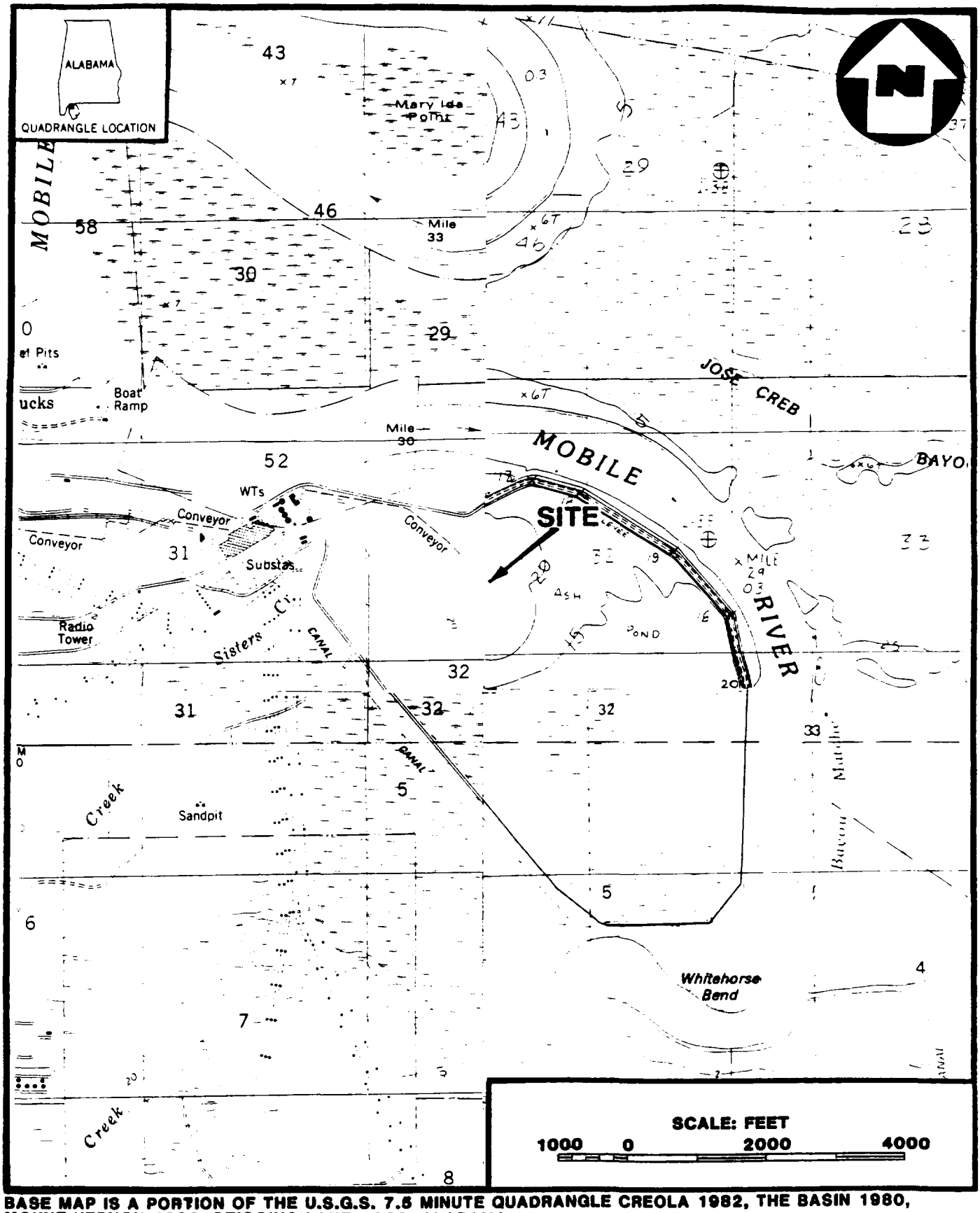
EPA is responsible for obtaining access to the site and permission to take photographs of site. In addition, EPA is responsible for all permits which may be required to accomplish this task.

1.6 Site History and Description

The Barry Steam Plant is owned by the Alabama Power Company and is located 2.2 miles north of Salco Road on the east side of Highway 43 in Bucks, Alabama (Ref. 1) (Figure 1). The facility is currently active and has been in operation since 1952 (Ref. 2).

The facility is approximately 1000 acres in size and contains a disposal area (landfill) of 5 to 8 acres. Access to all Alabama Power Company landfills is controlled either by 24-hour plant security or gates and fencing, or both (Ref. 3). The Barry Plant is a coal-fired steam power plant that utilizes a totally enclosed treatment process for the neutralization of waste. The metal-cleaning waste is neutralized by in-line caustic injection. Demineralized waste is neutralized in a concrete-lined sump prior to discharge into an ash pond where it evaporates and/or percolates into the ground. Waste solvents generally described as F001-F005 are presently being either burned with the coal as a fuel or sent to an approved offsite landfill (Ref. 2). However, it is not known what type of disposal methods were employed prior to environmental regulations. The company landfill primarily receives materials, such as fly ash waste, concrete, metal, glass, asbestos, paper and wood (Ref. 4). There are no company records kept on the quantity of wastes received (Ref. 5).

Based upon information supplied to Alabama Department of Environmental Management (ADEM) by the Alabama Power Company (Environmental Affairs Department) Barry Steam Plant's TSD interim status was withdrawn on December 28, 1982. However, the Barry Steam Plant is considered a generator of hazardous waste and must meet the requirements of RCRA as specified in 40 CFR 262 (Ref. 6). Prior to the enactment of RCRA regulations, the metal cleaning and demineralized waste products may have been discharged to the ash pond or into the Mobile River (Ref. 2).



BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE CREOLA 1982, THE BASIN 1980, MOUNT VERNON 1982, STIGGINS LAKE 1983, ALABAMA.

SITE LOCATION MAP
ALABAMA POWER COMPANY BARRY STEAM PLANT
BUCKS, MOBILE COUNTY, ALABAMA

FIGURE 1

NUS CORPORATION

1.7 Regional Hydrogeology

Mobile County lies in the eastern Gulf Coastal Plain section of the Coastal Plain Physiographic Province (Ref. 7). The average annual precipitation in the area is 63 inches and net precipitation is approximately 23 inches (Ref. 7). Mobile lies in an area referred to as Pine Meadows and is characterized by low, smooth hills developed from Quaternary-aged sediments of terrace, flood plain, and beach deposits (Ref. 7).

Geologic formations that comprise the aquifers of the Mobile area are composed of unconsolidated sedimentary deposits (Ref. 7). The formation outcropping in the Mobile area consists of Quaternary-aged alluvium greater than 150 feet thick. Beds and lenses of fine to coarse gravel, fine to coarse-grained sand, silty sand, silt, sandy clay, soft to stiff clay and carbonaceous material are the primary constituents of this alluvium. The interconnection of permeable sand bodies creates hydrologic pathways to underlying aquifers (Ref. 7). All the aquifers are hydrologically connected and are considered as a single aquifer. Yields from this aquifer range from 100-1000 (gpm) gallons per minute (Ref. 7).

The Citronelle Formation which underlies the surficial alluvium consists of layers and lenses of interbedded sands and clays with occasional beds of gravel. This formation can occur in thicknesses of up to 140 feet (Ref. 7). Miocene aged sediments underlie the Citronelle Formation. The thickness of the Miocene sequence ranges from 200 feet in outcrop areas to over 3000 feet in southern Mobile county (Ref. 7). The highest yields are obtained from wells completed in sands of the Citronelle and Miocene formations (Ref. 7).

2.0 SAMPLING INVESTIGATION

The sampling investigation will include the collection of surface soil, subsurface soil, sediment and groundwater samples. One of each type of sample will be collected from an area not impacted by the site to establish background conditions. Samples will be analyzed for extractable and purgeable organic compounds, pesticides, PCBs, cyanides, and metals. Analyses will be performed under the Contract Laboratory Program (CLP).

2.1 Soil Sampling

A total of five surface and five subsurface soil samples will be collected during the investigation. A surface and subsurface soil sample will be collected from each of five sample stations. One of the sample stations will serve as a background location. The remaining four stations will be located in the disposal area. Due to the lack of information available, the exact locations of the sampling stations will be determined in the field. Sample codes and descriptions are presented in Table 1.

2.2 Sediment Sampling

Sediment samples will be collected from three stations along the Mobile River The sample stations will be located upgradient, downgradient and adjacent to the disposal area. Sample codes and descriptions are presented in Table 1.

2.3 Groundwater Sampling

Six groundwater samples will be collected during the investigation. One of the samples will be collected from the closest private potable well. The remaining five samples will be collected from temporary monitor wells. These wells will be installed by advancing each of the boreholes drilled for the collection of the subsurface soil samples described in Section 2.11.

2.4 Analytical and Container Requirements

Sample containers used will be in accordance with the requirements specified in the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986. The following is a description of the analysis and types of containers required.

Analyses	Container	Preservatives**
Ext. Organics, Water	1 gal., amber glass*	None
Volatile Organics, Water	40 ml., glass vial*	4 drops conc. HCL to pH <2

TABLE 1

SAMPLE LOCATIONS AND RATIONALE
ALABAMA POWER CO., BARRY STEAM PLANT
BUCKS, MOBILE, ALABAMA

Sample Code	Sample Type	Location	Rationale
BS-SS-01	Soil	Area not impacted by site	Establish background conditions.
BS-SB-01	Soil	Area not impacted by site	Establish background conditions.
BS-TW-01	Groundwater	Area not impacted by site	Establish background conditions.
BS-SS-02	Soil	Disposal Area	Determine presence or absence of contaminants
BS-SB-02	Soil	Disposal Area	Determine presence or absence of contaminants
BS-TW-02	Groundwater	Disposal Area	Determine presence or absence of contaminants
BS-SS-03	Soil	Disposal Area	Determine presence or absence of contaminants
BS-SB-03	Soil	Disposal Area	Determine presence or absence of contaminants
BS-TW-03	Groundwater	Disposal Area	Determine presence or absence of contaminants
BS-SS-04	Soil	Disposal Area	Determine presence or absence of contaminants
BS-SB-04	Soil	Disposal Area	Determine presence or absence of contaminants
BS-TW-04	Groundwater	Disposal Area	Determine presence or absence of contaminants
BS-SS-05	Soil	Disposal Area	Determine presence or absence of contaminants
BS-SB-05	Soil	Disposal Area	Determine presence or absence of contaminants

BS Barry Steam Plant
SS Surface Soil
SB Subsurface Soil
TW Temporary Monitor Well
SD Sediment
PW Private Well

TABLE 1

SAMPLE LOCATIONS AND RATIONALE
ALABAMA POWER CO., BARRY STEAM PLANT
BUCKS, MOBILE, ALABAMA

Sample Code	Sample Type	Location	Rationale
BS-TW-05	Groundwater	Disposal Area	Determine presence or absence of contaminants
BS-SD-01	Sediment	Mobile River - Upstream of disposal area	Establish background conditions
BS-SD-02	Sediment	Mobile River - adjacent to disposal area	Determine presence or absence of contaminants
BS-SD-03	Sediment	Mobile River - downstream of disposal area	Determine presence or absence of contaminants
BS-PW-01	Groundwater	Private well closest to facility	Determine presence or absence of contaminants

BS Barry Steam Plant
SS Surface Soil
SB Subsurface Soil
TW Temporary Monitor Well
SD Sediment
PW Private Well

Analyses	Container	Preservatives**
Metals, Water	1 liter, plastic	50% HNO_3 to pH <2
Cyanide, Water	1 liter, plastic	NaOH to pH >12
Ext. Organics, Soil/Sediment	8 oz., glass*	None
Volatile Organics Soil/Sediment	4 oz., glass*	None
Inorganics, Soil/Sediment	8 oz., glass*	None

* Sample container lids are lined with teflon.
** All samples will be iced to 4°C upon collection.

2.5 Methodology

All sample collection, sample preservation, and chain-of-custody procedures used during this investigation will be in accordance with the standard operating procedures as specified in Section 3 and 4 of the Engineering Support Branch Standard Operating Procedures and Quality Assurance Manual; United States Environmental Protection Agency, Region IV, Environmental Services Division, April 1, 1986.

All laboratory analyses and laboratory quality assurance procedures used during this investigation will be 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; revised June 1, 1985 or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the contract analytical laboratory program.

REFERENCES

1. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of Alabama: Mount Vernon 1982, Stiggins Lake 1983, the Basin 1980, Creola 1982, scale 1:2400.

2. Potential Hazardous Waste Site Preliminary Assessment (EPS Form 3012-111), and attachments for Alabama Power Company, Barry Steam Plant, Filed by Steven M. Hornung, Environmental Protection Systems, August 2, 1984.

3. Application for Inert Solid Waste Landfill, Solid Waste Management Regulations (Section 4-181-08), Alabama Department of Environmental Management. Filed by J.R. Beggerly, Alabama Power Company.

4. John D. Grogan Environmental Compliance Manager, Alabama Power Company, letter to Jack Honeycutt, Alabama Department of Environmental Management, Solid Waste Section-Land Division, January 12, 1989. Subject: Solid Waste Regulations.

5. Lindsay Mothershed, Environmental Scientist, Alabama Department of Environmental Management, Landfill Evaluation Form. Facility: Barry Steam Plant, April 8, 1988.

6. Bernard E. Cox, Jr., Chief, Alabama Industrial and Hazardous Waste Section-Land Program, letter to C. Biddinger, Jr., Manager, Environmental Affairs Department, Alabama Power Company. Subject: Part A RCRA applications.

7. Joseph F. Riccid, J.D. Hardin, and George M. Lamb, "Development of Hydrologic Concept for the Greater Mobile Metropolitan - Urban Environment" Bulletin 106, (University of Alabama, Geological Survey of Alabama), pp. 27-29, 85-114.

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION IV, ATHENS, GEORGIA

SISB/SAS
RECEIVED
FEB 26 1990
EPA - REGION IV

MEMORANDUM

DATE: FEB 22 1990

SUBJECT: Document Review, FIT Screening Site Inspection Study Plan, Phase II, Alabama Power Company, Barry Steam Plant, Bucks, Mobile County, Alabama; ESD Project No. 90E-213

FROM: Fred Sloan
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division

TO: Al Hanke, Chief
Site Assessment Section
Site Investigation and Support Branch
Waste Management Division

THRU: M. D. Lair, Chief
Hazardous Waste Section
Environmental Compliance Branch
Environmental Services Division

ESD has no substantive comments. If you have any questions, please call me at FTS 250-3390.

cc: Finger/Wright
Lair/Bokey
Knight
Blackwell

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

ENVIRONMENTAL SERVICES DIVISION
ATHENS, GEORGIA 30613

SISB/SAS
RECEIVED
FEB 26 1990
EPA - REGION IV
ATLANTA, GA.

MEMORANDUM

DATE: February 22, 1990

SUBJECT: Screening Site Inspection Study Plans

FROM: Pat Stamp Pat Stamp
Laboratory Quality Control Specialist
Laboratory Evaluation & Quality Assurance Section

TO: Al Hanke, Chief
Site Assessment Section
Site Investigation & Support Branch
Waste Management Division

THRU: Wade Knight, Chief WK
Laboratory Evaluation & Quality Assurance Section

We have reviewed the following subject documents and have no comments:

1. Amoco Fabrics/Hazlehurst Mills, Hazlehurst, Georgia

2. Old City Landfill, Hazlehurst, Georgia

3. Alabama Power Company, Barry Steam Plant, Bucks, Alabama

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

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

MAR 2 1 1990

4WD-SISB

Mr. Roger Franklin
Project Manager
NUS
1927 Lakeside Parkway
Suite 614
Tucker, Georgia 30084

Re: SSI - Alabama Power, Barry Steam Plant

Dear Mr. Franklin:

Listed below is the contact person for the above referenced site. He is located in the Birmingham office and will be responsible for contacting the actual site personnel, according to Mr. John Grogan, Manager of Environmental Compliance. Also, they have requested split samples.

Mr. David Roberson
(205) 250-4190

If there are any questions or comments, I can be reached at 347-5065.

Sincerely

Gena D. Townsend
Site Assessment Manager

cc: Mr. Terry Tanner, NUS, State Coordinator

M.2 - SITE MAINTENANCE FORM

EPA ID : ALD082148800

SITE NAME: ALABAMA POWER CO BARRY STEAM PLANT SOURCE: H

STREET : US HWY 43 CONG DIST: 01

CITY : BUCKS ZIP: 36512

CNTY NAME: MOBILE CNTY CODE : 097

LATITUDE : 30/59/24.0 LONGITUDE : 087/59/43.0

LL-SOURCE: R LL-ACCURACY:

SMSA : 5160 HYDRO UNIT: 03160204

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: 6

RESP TERM: PENDING ( ) NO FURTHER ACTION ( )

ENF DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( )
ENFORCED RESPONSE ( ) COST RECOVERY ( )

SITE DESCRIPTION:

ACTION: _

PENDING (_) NO FURTHER ACTION (_)

M.2 - PROGRAM MAINTENANCE FORM

ACTION: _

SITE: ALABAMA POWER CO BARRY STEAM PLANT

EPA ID: ALD082148800 PROGRAM CODE: H01 PROGRAM TYPE: _

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: ALABAMA POWER CO BARRY STEAM PLANT
PROGRAM: SITE EVALUATION

EPA ID: ALD082148800 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 : 08/01/80	__/__/__	__/__/__	__/__/__

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - EVENT MAINTENANCE FORM

ACTION: _

SITE: ALABAMA POWER CO BARRY STEAM PLANT
PROGRAM: SITE EVALUATION

EPA ID: ALD082148800 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S

EVENT NAME: PRELIMINARY ASSESSMENT STATUS:

DESCRIPTION:

ORIGINAL	CURRENT	ACTUAL
START:	START:	START: 05/23/83
COMP :	COMP :	COMP : 05/23/83

HQ COMMENT:

RG COMMENT:

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

M.2 - EVENT MAINTENANCE FORM

ACTION: _

SITE: ALABAMA POWER CO BARRY STEAM PLANT
PROGRAM: SITE EVALUATION

EPA ID: ALD082148800 PROGRAM CODE: H01 EVENT TYPE: PA2

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E _ ___ _

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: _____ _

DESCRIPTION:

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 10/01/84	__/__/__	__/__/__	__/__/__
COMP :	COMP :	COMP : 10/01/84	__/__/__	__/__/__	__/__/__

HQ COMMENT:

RG COMMENT:

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	_____	_____	__	___

M.2 - COMMENT MAINTENANCE FORM

SITE: ALABAMA POWER CO BARRY STEAM PLANT

EPA ID: ALD082148800

COM NO	COMMENT	ACTION
001	PART A- ON FILE	* _ _____ *
		* _____ *

2. PROJECT MANAGEMENT SUMM

Site Name: ALABAMA POWER COMPANY: BARRY STEAM PLANT

Site Number: ALD082148800

Owner: ALABAMA POWER COMPANY (APCo.)

Operator: APCo.

Site Status: [X] Active [ ] Inactive [ ] Unknown

Priority: [ ] High [ ] Medium [ ] Low [X] None

3. FINAL DISPOSITION

I. EPS Final Review - Date: 8/14/84
Comments:

Site Inspection Required [ ] Yes [X] No

II. ADEM Review - Date: 9/7/84 SAM
Comments:

Follow-up Action Required [ ] Yes [X] No

III. Final Disposition:

Review & revise	Date:	
Edited & correct	Date:	
Transmitted	Date:	
File close-out	Date:	
Initiate site inspection	Date:	

4. ADDITIONAL COMMENTS (ONGOING & FINAL)

TO THE BEST OF OUR KNOWLEDGE THIS IS A RCRA FACILITY ONLY

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
EPS FORM 3012-III

INDUSTRIAL NARRATIVE SHEET

1. Site Identification:

Site number: ALD082148800

Site name: ALABAMA POWER COMPANY-BARRY STEAM PLANT

Site county: Mobile

2. Industrial Narrative Summary:

Company Name: ALABAMA POWER COMPANY

Address: P.O. Box 2641
Birmingham, Alabama 35291

Telephone No.: 205-250-1000

Contact: Mike Godfraey

Discussion: ALABAMA POWER COMPANY operates a coal fired steam power plant in Mobile county. Hazardous waste that is produced consists of spent solvents, corrosive demineralizer waste and corrosive metal cleaning waste. Interim status was granted to APC in 1980. In 1982, APC requested withdrawal of interim status and became a generator only.

Demineralizer waste is neutralized in a concrete sump prior to discharge to the ash pond. The waste is exempt from TSD regulations by exemption 40 CFR 264.1 (g) 6, operation of an elementary neutralization.

Metal cleaning waste is neutralized in-line by caustic injection and is also exempt from TSD regulations by 40 CFR 264.1 (g) 5, operation of a totally enclosed treatment facility. The neutralized waste is discharged into an impoundment where it evaporates and/or percolates into the ground. The ADEM water division is considering stricter regulation of these ponds due to iron and copper in the cleaning wastes.

Waste solvents are being burned along with the coal for fuel or are sent to an approved landfill.

Prior to any regulations it is thought that the wastes were discharged to the ash pond or to the Mobile river.

3. Disposition

Current handling of hazardous waste is being monitored by ADEM. Past disposal of corrosive material into the river or ash pond would not be detected during sampling. A site inspection is not required. No further action.

4. Comments:

N/A

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
EPS FORM 3012-II

TELEPHONE LOG SHEET

1. Site Identification:
   Site number: ALD082148800
   Site name: ALABAMA POWER COMPANY - BARRY STEAM PLANT

2. Interview Data: (Party called)
   Name: MIKE GODERAEY
   Position: SENIOR ENVIRONMENTAL SPECIALIST
   Firm: ALABAMA POWER COMPANY
   Address: P.O. BOX 2641
   BIRMINGHAM, AL 35291
   Telephone No.: (205) 250-1000

3. EPS Analyst Data:
   Name: STEVEN M. HORNUNG
   Purpose of call: GATHER INFO FOR P.A.

   Form 2070-12 (7-81) P.N. PART 1
   Date of call: THURS, AUG 2, 1984

4. Interview Narrative Summary: CHARLES McCEARY WAS NOT IN. THE DEMINERALIZ WASTE GOES INTO A SUMP WHERE IT IS NEUTALIZED AND THEN GOES TO A SURFACE IMPOUNDMENT. THIS OCCURS AT ALL THE PLANTS EXCEPT AT THE GREENE COUNTY PLANT. THERE ISN'T A SUMP. THE WASTE IS NEUTRALIZED IN THE SURFACE IMPOUNDMENT. FROM THERE THE WASTE GOES TO THE ASH LAKE. METAL CLEANING WASTE IS NEUTRALIZ IN-LINE BY CAUSTIC INJECTION. THE WASTE THEN GOES TO A SURFACE IMPOUNDMENT. ALL THE PLANTS ARE SMALL QUANTITY GENERATORS. HE BELIVES THE WASTE SOLVENT IS BEING DISPOSED OF IN AN APROVED LANDFILL. CONFIRMED YEARS OF OPERATION, LOCATION. ALSO DISCUSSED APCO'S GENERAL SERVICE COMPLEX IN SHELBY COUNTY.

5. Disposition/Comments:

6. Comments: Any additional sites used by this company?
   Location:
   Dates of use:
   Description of waste:

   Comments:

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
EPS FORM 3012-II

TELEPHONE LOG SHEET

1. Site Identification:
   Site number: ALD082148800
   Site name: ALABAMA POWER COMPANY BARRY STEAM PLANT

2. Interview Data: (Party called)
   Name: DAVID GRIFFIN
   Position: ENVIRONMENTAL SUPERVISOR
   Firm: ALABAMA POWER COMPANY
   Address:

   Telephone No.: (205) 932-8170

3. EPS Analyst Data:
   Name: STEVEN M. HORNUNG
   Purpose of call: CONFIRM INFO. ON P.A.

   Form 2070-12 (7-81) P.N. PART 1
   Date of call: THURS, AUG 2, 1984

4. Interview Narrative Summary: DAVID GRIFFIN FELT I NEEDED TO TALK WITH THEIR MAIN OFFICE. HE ISN'T [redacted] AUTHORIZED TO GIVE OUT ANY INFORMATION

5. Disposition/Comments:

6. Comments: Any additional sites used by this company?
   Location:
   Dates of use:
   Description of waste:

   Comments:

ENVIRONMENTAL PROTECTION SYSTEMS, INC.

Alabama RCRA 3012 Site Ranking Scheme
EPS Form 3012-V

Site Name APCo. BARRY STEAM PLANT

Site Number ALD008214 8800

Preliminary Assessment Ranking Scheme to Determine Which Sites Merit Further Action.

(Select one answer for each of the following seven questions)

1. Are Hazardous Substances Present?		
A. Confirmed on site!	10 points	
B. Suspected at site!	5 points	
C. It is unknown!	2 points	
D. No hazardous substances	0 points	
E. RCRA facility only!	0 points	0
2. Is There a Pollution Dispersal Pathway?		
A. Direct to surface and/or groundwater.	5 points	
B. Indirect to surface and/or groundwater.	4 points	
C. Suspected to surface and/or groundwater.	3 points	
D. Not known for sure.	2 points	
E. No pathway.	0 points	
3. Characteristics of Human Population?		
A. High density.	5 points	
B. Medium density.	4 points	
C. Low density.	3 points	
D. No population.	2 points	
4. Characteristics of Natural Environment?		
A. Critical habitat including endangered species, etc.	5 points	
B. Sensitive habitat.	3 points	
C. Common less sensitive habitat.	2 points	
5. How is Human Population Affected By Site?		
A. Public utility of drinking water from site.	5 points	
B. Direct public access to site.	4 points	
C. Public access to affected surface water.	3 points	
D. Only potential for human population contact.	2 points	
E. Low or no potential for contact.	1 point	
6. Facility Management Practices at Site?		
A. Site actively supervised and managed currently with monitoring reports and other permit and report requirements.	1 point	
B. Site inadequately managed records not up-to-date.	3 points	

C. Site not currently managed or regulated. — 4 points _____

D. Abandon site. — 5 points _____

7. Potential Responsible Parties for Site Operations?

A. Controlling party identified and accepts responsibility for site. — 1 point _____

B. Suspected controlling party identified but does not accept responsibility for site. — 4 points _____

C. No responsible party available. — 5 points _____

Ranking Score =

$$\frac{0}{\#1} \times \left[\frac{\quad}{\#2} + \frac{\quad}{\#4} + \left(\frac{N/A}{\#3} \times \frac{\quad}{\#5} \right) + \frac{\quad}{\#6} + \frac{\quad}{\#7} \right]$$

TABLE 1. Ranking Assessment

NUMERICAL RANGE	PRIORITY ASSESSMENT
0-50	NONE
50-150	LOW
150-300	MEDIUM
300-450	HIGH

Ranking Score: 0

Priority Assessment: NONE

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
EPS FORM 3012-I
EPS ANALYST/REVIEWER CHECKLIST

Site No. AL D082188800
Site Name ALABAMA POWER CO. BARRY STEAM PLANT

Instructions: To be used in conjunction with EPA Form 2070-12 (7-81). Attach on inside front of site folder. Initial and date for all assessment entries under appropriate part/subpart as completed. initial/date in black for final assessment; in red if higher level (additional) assessment is in order. Follow same procedure for review process.

Review Codes: 1-Toxicology Review; 2-Chemical Review; 3-Ecology Review; 4-Chemical Engineer Review; 5-Geotechnical Review; 6-Project Manager Review; 7-Final Review

1. ANALYST/REVIEW STATUS

Form 2070 Part Number	Analyst/ Date	Review Code 1	Review Code 2	Review Code 3	Review Code 4	Review Code 5	Review Code 6	Review Code 7
1.I.-VI.								
	8.2.84/8-2-84						FMW 8/14	FMW 8/14
2.I.								
2.II.								
2.III.								
2.IV.								
2.V.								
2.VI.	8.2.84/8-2-84						FMW 8/14	FMW 8/14
3.I.								
3.II.A								
3.II.B								
3.II.C								
3.II.D								
3.II.E								
3.II.F								
3.II.G								
3.II.H								
3.II.I								
3.II.J								
3.II.K								
3.II.L								
3.II.M								
3.II.N								
3.II.O								
3.II.P								
3.III.								
3.IV.								
3.V.								

*No further assessment/review required, enter NA

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	D082148800

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
ALABAMA POWER COMPANY BARRY STEAM PLANT	U.S. HIGHWAY 43

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
BUCKS	AL	36512	MOBILE	097	01

09 COORDINATES LATITUDE	LONGITUDE
31 00 24.	088 00 41.

10 DIRECTIONS TO SITE (Starting from nearest public road)
OFF OF HWY 43 IN BUCKS, AL

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
ALABAMA POWER COMPANY	P.O. BOX 2641

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
BIRMINGHAM	AL	35291	(205) 250-1000

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
SAME	

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: 11 19 80 (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
1952 (BEGINNING YEAR) | ___ (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
WASTE SOLVENTS
CORROSIVE DEMINERALIZER WASTE AND METAL CLEANING WASTE

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
WASTE SOLVENTS ARE BURNED WITH COAL IN BOILER FURNANCE OR PUT IN APPROVED LANDFILL METAL CLEANING WASTE IS NEUTRALIZED BY IN-LINE CAUSTIC INJECTION. DEMINERALIZER WASTE IS NEUTRALIZED IN A SUMP PRIOR TO DISCHARGE TO ASH POND.

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
STEVE MAURER Sam	ADEM	(205) 271-7729

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
STEVEN M. HORNUNG		EPS	(601) 922-8242	8 2 84 (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
AL	D082148800

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)	02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)	03 WASTE CHARACTERISTICS (Check all that apply)
A SOLID B POWDER, FINES C SLUDGE D OTHER (Specify)	TONS CUBIC YARDS NO. OF DRUMS	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

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)

ADEM GENERATOR FILES
CONVERSATION WITH ADEM WATER AND LAND STAFF
CONVERSATION WITH ALABAMA POWER CO. REPRESENTATIVES
1983 GENERATOR REPORT & 1982 GENERATOR REPORT

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
AL	D082198800

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [ ] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED:
02 [ ] OBSERVED (DATE:)
04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED

01 [ ] B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED:
02 [ ] OBSERVED (DATE)
04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED

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)
04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED

01 [ ] F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: (Acres)
02 [ ] OBSERVED (DATE)
04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED

01 [ ] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED:
02 [ ] OBSERVED (DATE)
04 NARRATIVE DESCRIPTION
[ ] POTENTIAL [ ] ALLEGED

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
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
AL	D082148800

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.

ALD082148800 MOBILE
ALABAMA POWER CO BARRY STEAM PLANT
US HWY 43
BUCKS AL 36512

ompletely as possible before Section II *(Preliminary* and submit a copy to: U.S. Environmental Protection e *(EN-335)*; 401 M St., SW; Washington, DC 20460.

ATION

ET *(or other identifier)*

TE	E. ZIP CODE	F. COUNTY NAME

G. OWNER/OPERATOR *(if known)*

1. NAME: SAME AS ABOVE
2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4 MUNICIPAL ☑ 5 PRIVATE ☐ 6 UNKNOWN

I. SITE DESCRIPTION

GENERATOR OF ELECTRICITY. WITHDREW PART A APPLICATION ON 12/28/82.

J. HOW IDENTIFIED *(i.e., citizen's complaints, OSHA citations, etc.)*

HWDMS

K. DATE IDENTIFIED *(mo., day, & yr.)*

08/80

L. PRINCIPAL STATE CONTACT

1. NAME: HAROLD W. TAYLOR, JR.
2. TELEPHONE NUMBER: 205/834-1303

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	3. DATE *(mo., day, & yr.)*
HAROLD W. TAYLOR, JR.	205/834-1305	05/23/83

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)*: 4911

C. AREA OF SITE *(in acres)*

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE *(deg.-min.-sec.)*: 31 00 024
2. LONGITUDE *(deg.-min.-sec.)*: 088 00 041

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☑ 2. YES *(specify)*:

Continue On Reverse

Continued From Front

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the 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):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

GENERTOR OF ELECTRICITY. ORIGINALLY SUBMITTED PART A APPLICATION FOR STORAGE, WITHDREW ON DECEMBER 28, 1982.

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1 UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☐ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☐ 1 UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4 RADIOACTIVE ☐ 5 HIGHLY VOLATILE
☐ 6 TOXIC ☐ 7 REACTIVE ☐ 8 INERT ☐ 9 FLAMMABLE

☑ 10. OTHER (specify): GENERAL STEAM PLANT WASTE.

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.

ORIGINALLY SUBMITTED PART A APPLICATION FOR A HWM STORAGE FACILITY. APPLICATION WAS WITHDRAWN ON 12/28/82.

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	X			
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

Continued From Front

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- [x] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [ ] 3. STATE PERMIT *(specify)*: _____
- [x] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER *(specify)*: _____

B. IN COMPLIANCE?

- [x] 1. YES
- [ ] 2. NO
- [ ] 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)*

- [x] 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)*

- [x] 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.

December 28, 1982

Mr. C. Biddinger, Jr., Manager
Environmental Affairs Department
Alabama Power Company
P. O. Box 2641
Birmingham, Alabama 35291

Re: Part A RCRA applications

Dear Mr. Biddinger:

This is to acknowledge receipt of your request to withdraw your Part A applications for six of Alabama Power Company facilities. Since Alabama has Phase I authorization, it is our responsibility to determine if your request should be honored.

Based upon the information you supplied, it appears that the facilities are not subject to treatment, storage, or disposal requirements as defined by Alabama's Hazardous Waste Management Regulations. The facilities are to be considered generators, however, at your request. The request to withdraw your Part A applications is granted. However, you should be aware that as a generator of hazardous waste you must meet the generator requirements of RCRA as specified in 40CFR 262.

You should be aware that your request to withdraw interim status means that you may not treat, store, or dispose of hazardous waste without a permit issued under the authority of Code of Ala.1975, Section 22-30-12, as amended, and the Regulations adopted thereunder.

Should you have questions or comments, please feel free to contact this office.

Sincerely,

Bernard E. Cox, Jr., Chief
Industrial and Hazardous Waste Section
Land Program

BEC:rc

cc: James Scarbrough
Region IV - USEPA

Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291
Telephone 205 250-1000

Alabama Power

DEC 1982
RECEIVED
Solid Waste

December 10, 1982

Mr. Buddy Cox
Alabama Department of
Environmental Management
Division of Solid and
Hazardous Waste
434 Monroe Street
Montgomery, Al 36130-1701

Dear Mr. Cox:

As discussed previously, we wish to recall our Part A RCRA applications submitted November 19, 1980 and request that you drop Interim Status for the following Alabama Power Company facilities:

Facility	EPA I.D. Number
Barry Steam Plant	ALD082148800
Greene County Steam Plant	ALD000615609
Miller Steam Plant	ALD000615658
Gorgas Steam Plant	ALT000615567
E. C. Gaston Steam Plant	ALD083742858
General Services Complex	ALD000615625

We want to keep the generator status for these facilities by retaining the EPA I.D. numbers. Enclosed are two copies of the supporting statement for the above request. If you have any questions, please contact me.

Very truly yours,

Stephen A. Jones/for
. Biddinger, Jr., Manager
Environmental Affairs Department

SAJ:dy

Enclosure

ALABAMA POWER COMPANY

INTERIM STATUS TERMINATION

SUPPORTING STATEMENTS

I. INTRODUCTION

Alabama Power Company (APCo), incorporated in 1906, serves an area of approximately 44,500 square miles in the State, with almost one million customers.

The Company is engaged within the State of Alabama in the generation, transmission, distribution and sale of electric energy at retail in 867 communities, and at wholesale to 15 municipalities, nine rural distribution electric cooperatives and one airport and one industrial authority.

Alabama Power Company is one of the operating companies of The Southern Company. Others are Georgia Power Company, Gulf Power Company (serving northwest Florida) and Mississippi Power Company (serving southeast Mississippi). System affiliates also include Southern Company Services, Inc., which performs specialized services at cost for system companies upon request, Southern Electric International, Inc., an international consulting firm, and Southern Electric Generating Company, which is owned in equal shares by Alabama Power and Georgia Power companies.

II. BACKGROUND

Pursuant to the Resource Conservation and Recovery Act (RCRA) of 1976, APCo implemented a program to determine what waste were generated by the Company. The program was designed to identify the volume of waste generated, the characteristics of the waste and how the waste was being disposed or reused.

Our study indicated that the vast majority of wastes generated by the Company were not hazardous by the RCRA guidelines. By far, fly ash (and bottom ash) make up the largest percentage of our solid waste. Most fly ash is currently collected in large settling basins (ash ponds). Some of the ash is collected dry and sold to be used in concrete, fill, etc.

The Huddleston-Bevill Amendment exempted much of our solid waste from the RCRA regulations pending further investigation. The Huddleston-Bevill bill exempted fly ash, bottom ash, boiler slag and flue gas emission control waste resulting from the combustion of fossil fuels for production of energy. It also exempted wastes which are co-disposed with fly ash, bottom ash, boiler slag and flue emission control waste. A report submitted to EPA on October 26, 1982 by The Utility Solid Waste Activities Group, The Edison Electric Institute and The National Rural Electric Cooperative Association indicated that such wastes do not present a risk of injury to human health or environment.

APCo also generates construction waste. Construction or demolition waste includes brick, cement, wire, wood, steel, etc. The quantity of such waste generated depends largely upon the construction activity at the particular site. Some of this waste is sold as scrap while the remainder is landfilled. Construction wastes of this description are not hazardous pursuant to part 261 of RCRA.

Construction and maintenance activities also generate small quantities of solvents. The type of solvents vary but can generally be described with hazardous waste numbers F001-F005 of the regulations. The volume

of solvents used at the plants is not consistent. The study performed by the Company indicated that volume of solvent generated would not exceed 1000 kg/mo at any of our facilities.

Several aqueous waste products are also generated at a fossil plant. The wastes would include demineralizer regenerates and boiler cleaning. These wastes are discussed in detail in Section III - Low Volume Wastes.

The RCRA regulation required any treatment, storage or disposal (TSD) facility to submit a Part A application for Interim Status by November 19, 1980. At the time the Part A applications were required, the RCRA regulations were undergoing frequent revisions. Of particular concern to us were the hazardous waste listings. Because the hazardous waste listings were changing, it was difficult to determine what waste would be regulated. Alabama Power Company decided to file the Part A application for several facilities prior to the November 19, 1980 deadline (Appendix A).

III. LOW VOLUME WASTE

Pursuant to the Huddleston/Bevill Amendment, the Utility Solid Wastes Activities Group (USWAG) requested clarification on the issue from Gary N. Dietrich, Acting Director of the U.S. EPA. Mr. Dietrich responded to this request in a letter dated January 13, 1981 (Appendix B). In this letter, Mr. Dietrich clarified the Huddleston-Bevill Amendment and requested that USWAG submit a report on low volume waste generated at fossil plants. USWAG then prepared a report which described low volume waste and how they are disposed. This report was submitted to EPA by USWAG on August 21, 1981 (Appendix C).

The Dietrich Report submitted on August 21, 1981 is important in that it describes all the low volume wastes generated at a fossil plant which could be hazardous pursuant to the RCRA criteria. USWAG addresses what low volume wastes could be hazardous in accordance with part 261 of the regulations on page 18 of Appendix C. A summary of this section is found on page 21 of the text and is as follows:

Low Volume Waste	Industry-Wide Data Probable Status Under Part 261
1. Boiler blowdown	Not hazardous
2. Coal pile runoff	Not hazardous
3. Cooling tower blowdown	Not hazardous
4. Demineralizer Regenerants	Individual acidic and alkaline fractions may be hazardous (corrosivity)
5. Metal and Boiler Cleaning Wastes	
a. Gas-side boiler cleaning wastes	Not hazardous
b. Water-side boiler cleaning wastes	Sometimes hazardous for corrosivity and/or EP toxicity (usually chromium)
6. Pyrites	Not hazardous
7. Sewage effluents	Exempt from regulation
8. Sump effluents and other low volume wastes	Not hazardous

Note: The numbers appearing to the left of this chart were added by APCo so they could be easily referenced.

The summary shown above indicates most low volume waste are clearly not hazardous based on the RCRA criteria. The two items listed as possibly being hazardous under part 261 are Item 4 Demineralizer Regenerates and Item 5 Metal and Boiler Cleaning Waste. Each is discussed below:

Item 4 Demineralizer Regenerates (as defined in Appendix C page 11) are produced at all fossil plants. The ionic exchange resin is "recharged" by successive rinsings with an acid and a base. The Dietrich Report says that these wastes may be hazardous due to their pH (corrosivity). APCo directs each rinse to a neutralization sump prior to discharge. In the sump the acid and base fractions are mixed and neutralized. The pH is not likely to fall outside the acceptable range of 2.0-12.5.

Item 5 Metal and Boiler Cleaning Waste (as defined in Appendix C page 11-12) is generated approximately every 4-5 years on most APCo units. Item 5a, gas-side boiler cleaning waste, is not hazardous. Item 5b, water-side boiler cleaning wastes, may be hazardous by virtue of its corrosivity and/or EP toxocity. The following section is devoted to the analysis performed on water-side boiler cleaning wastes.

IV. WATER-SIDE BOILER CLEANING WASTE

As discussed in the previous section, the only waste which at times may meet the hazardous criteria per section 261 and would be generated in sufficient quantities to require a permit is the waste generated by water-side boiler cleaning. The two criteria identified in the report which may cause the waste to be classified as hazardous are corrosivity and EP toxicity which are discussed as follows:

1) Corrosivity

The corrosivity of water-side boiler cleaning was overcome at APCo by using in-pipe injection to maintain the pH of the waste within acceptable limits. When a boiler is cleaned, the contractor must provide in-pipe injection as required. (Note: This provision is written into the contract with the contractor that does the boiler cleaning). By monitoring the pH of the discharge, the injection is used only when necessary to maintain the waste within a pH range of 2.0-12.5. Thus, none of APCo's boiler cleaning waste is hazardous due to corrosivity.

2) EP Toxicity

APCo set out to determine if water-side boiler cleaning waste was hazardous by virtue of the EP toxocity criteria. Since boilers are cleaned infrequently, data was not easily obtained. This lack of data is in part the cause of the delay concerning our decision to drop Interim Status.

The problems associated with the EP toxicity analysis are numerous. The data found in the Dietrich Report shows a wide range of values for boiler cleaning analysis. The range can probably be attributed to differences in 1) time between cleanings, 2) types of boilers, 3) cleaning solutions, 4) cleaning techniques, 5) contaminates in the cleaning solutions, 6) sampling techniques and 7) laboratory analysis.

The Dietrich Report which is based on industry-wide data

indicates that chromium is usually the element which causes the boiler cleaning to fail the E.P. Toxicity test. Since the State of Alabama has adopted hazardous waste regulations that address chromium +6 instead of total chromium, our data indicate chromium +6 only.

Since chromium was specifically mentioned in the Dietrich Report, we concentrated our study on this element although our test data showed no problem in this area. APCo's study of boiler cleaning waste showed pronounced problems with the practical analysis of chromium +6. The chromium +6 test appears to work well with most waste streams; however, it does not appear to work with boiler cleaning solutions.

Chromium chemistry is extremely complex. APCo has studied the problem and has discussed its findings with EPA. The results obtained in the chromium +6 analysis can not be confirmed by standard quality control measures. When a "known" or a "standard" addition is added to a boiler cleaning sample, it is not reflected in the test results. In other words, when you add chromium +6 to a sample, you do not get a resulting increase in the peak. It appears that the complexing agent used in boiler cleaning also complexes the chromium. It is uncertain what is being reported when the analysis shows a positive value for chromium +6; however, it is unlikely that chromium would be found in sufficient quantities in boiler cleaning to fail the E.P. Toxicity criteria.

Data for APCo boiler cleaning is reported in Appendix D. This data shows that the two cleanings analyzed are not hazardous by the E.P. toxicity criteria*. It appears that if it failed the criteria would be infrequent and could be the result of contaminates found in the incoming cleaning solutions.

Unlike the NPDES regulations, RCRA does not have a "net" exemption allowing one to deduct incoming contaminates. In the future, we are specifying limits on incoming boiler cleaning solutions to reduce the possibility of failing the toxicity criteria due to contaminated boiler cleaning chemicals.

V. GENERAL SERVICES COMPLEX

In November of 1980 we also applied for a storage permit at our General Services Complex. It has not been necessary to use this facility as a hazardous waste storage area; therefore, we are requesting that Interim Status on this facility also be terminated.

*Note: The analysis performed on water-side boiler cleaning waste at the Gorgas Steam Plant (tested 8-4-82) indicated a lead concentration of 19.1 PPM for the first acid wash (Appendix D). We are not aware of any lead used in a boiler. The second and third washings showed lead concentrations of <.01; therefore, it appears likely that the first acid wash sample was contaminated.

19 83 Hazardous Waste Generators Annual Report

I. Facility ID # A L D 0 8 2 1 4 8 8 0 0

II. Facility Name Alabama Power Company - Barry Steam Plant

III. Location of Facility U. S. Highway 43
(Street or Route Number)

Bucks	Mobile	Alabama	36512
City	County	State	Zip Code

Installation Contact Milan McGill 205 432-8170
Name Area Code Telephone Number

During 19 83 the facility did [ ] did not [X] generate reportable amounts of hazardous waste. (If you check did not, skip to Item VII.)

VI. Waste Identification:

	A. EPA Waste Number	B. Waste Description	C. Amount of Waste (lbs)	D. Receiving Facility	E. Receiving Facility ID Number	F. Transporter Name	G. Transporter ID Number
3.							
6.							

VII. Certification:

Signature C. D. McCrary C. D. McCrary
(Print or Type)

Title Manager-Environmental Affairs Department

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

LAND PROGRAM

19 82 Hazardous Waste Generators Annual Report Barry Steam Plant

I. Facility ID # AL D082148800

II. Facility Name Alabama Power Company - Barry Steam Plant

III. Location of Facility U.S. Highway 43
(Street or Route Number)

Bucks	Mobile	AL	36512
City	County	State	Zip Code

IV. Installation Contact Milan McGill 205 432-8170
Name Area Code Telephone Number

V. During 19 82 the facility did [ ] did not [X] generate reportable amounts of hazardous waste. (If you check did not, skip to item VII.)

VI. Waste Identification:

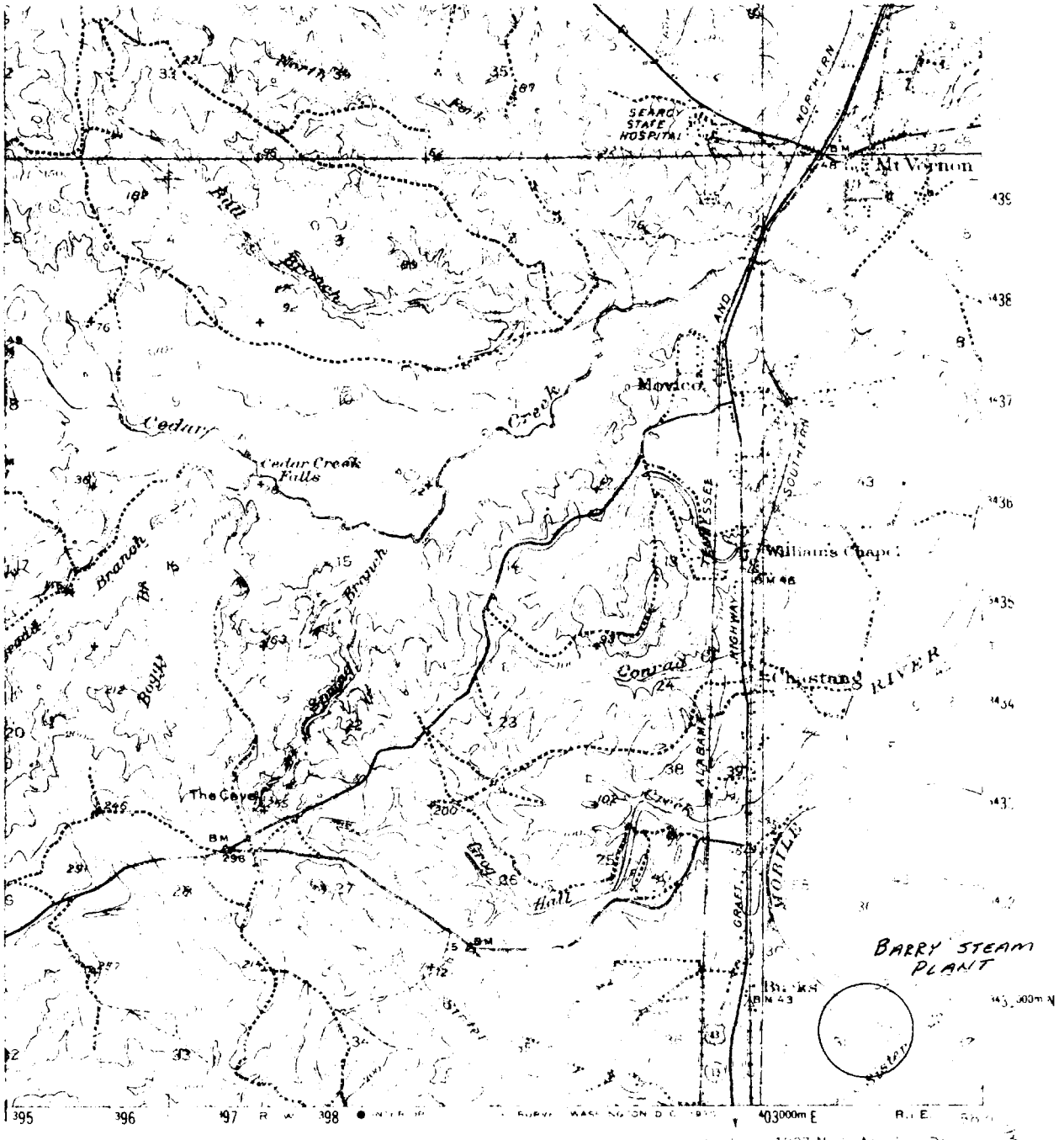
	A. EPA Waste Number	B. Waste Description	C. Amount of Waste (lbs)	D. Receiving Facility	E. Receiving Facility ID Number	F. Transporter Name	G. Transporter ID Number
1.							
2.							
3.							
4.							
5.							
6.							

VII. Certification:

Signature C. Biddinger, Jr. C. Biddinger, Jr.
(Print or Type)

Title Manager, Environmental Affairs

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



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