675SERBSF10,638

675SERBSF10,638

Site Name (Subject):	SPRAGUE ELECTRIC COMPANY
Site ID (Document ID):	NCD003167780
Document Name (DocType):	Contractor Report (CONTR)
Report Segment:	
Description:	FIT Report: Final Site Inspection
Date of Document:	9/6/1991
Date Received:	
Box: *Enter SF and # with no spaces*	SF10,638
Access Level:	PUBLIC
Division:	WASTE MANAGEMENT
Section:	SUPERFUND
Program (Document Group):	SERB (SERB)
Document Category:	FACILITY

Print Report for Record | **Go to New Blank Record** | **Go to New Record - (default to last record values)** | **Delete Record**

R-586-9-1-3

FINAL REPORT

SITE INSPECTION
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA
EPA ID NO.: NCD003167780

Prepared Under
TDD No. F4-9010-25
Contract No. 68-01-7346

Revision 0

FOR THE

WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

SEPTEMBER 6, 1991

CERCLA

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
SUPERFUND DIVISION

Prepared By	Reviewed By	Approved By
Eric Corbin		Phil Blackwell
Project Manager		Regional Project Manager

TABLE OF CONTENTS

Section No.		Page
EXECUTIVE SUMMARY		ES-1
1.0	INTRODUCTION	1
1.1	Objectives	1
1.2	Scope of Work	1
2.0	SITE CHARACTERIZATION	3
2.1	Site History	3
2.2	Site Description	6
	2.2.1 Site Features	6
	2.2.2 Waste Characteristics	6
3.0	REGIONAL POPULATIONS AND ENVIRONMENTS	7
3.1	Population and Land Use	7
	3.1.1 Demography	7
	3.1.2 Land Use	7
3.2	Surface Water	8
	3.2.1 Climatology	8
	3.2.2 Overland Drainage	8
	3.2.3 Potentially Affected Water Bodies	8
3.3	Groundwater	8
	3.3.1 Hydrogeology	8
	3.3.2 Aquifer Use	9
4.0	FIELD INVESTIGATION	10
4.1	Sample Collection	10
	4.1.1 Sample Collection Methodology	10
	4.1.2 Duplicate Samples	10
	4.1.3 Description of Samples and Sample Locations	10
	4.1.4 Field Measurements	14
4.2	Sample Analysis	14
	4.2.1 Analytical Support and Methodology	14
	4.2.2 Analytical Data Quality and Data Qualifiers	14
	4.2.3 Presentation of Analytical Results	16
5.0	SUMMARY	27
REFERENCES		28
APPENDIX A	Topographic Map	
APPENDIX B	Analytical Data	
APPENDIX C	Site Inspection Report	

TABLES

Number		Page
Table 1	Sample Codes, Descriptions, Locations, and Rationale	11
Table 2	Field Measurements	15
Table 3	Summary of Inorganic Analytical Results - Surface Soil Samples	17
Table 4	Summary of Inorganic Analytical Results - Subsurface Soil Samples	19
Table 5	Summary of Inorganic Analytical Results - Sediment Samples	20
Table 6	Summary of Inorganic Analytical Results - Surface Water Samples	21
Table 7	Summary of Organic Analytical Results - Surface Soil Samples	23
Table 8	Summary of Organic Analytical Reseults - Subsurface Soil Samples	25
Table 9	Summary of Organic Analytical Results - Sediment Samples	26

FIGURES

Figure 1	Site Location Map	4
Figure 2	Site Layout Map	5
Figure 3	Sample Location Map	13

EXECUTIVE SUMMARY

The Sprague Electric Company facility is situated on a tract of land located off of Highway 194 approximately 1.25 miles south of Lansing, Ashe County, North Carolina. The facility began operations at this location in 1953 and has been actively engaged in the manufacturing of aluminum electrolytic capacitors.

The manufacturing process utilized involved the etching of aluminum foil in an electrochemical bath resulting in the formation of aluminum oxide wastes which were recovered from a wastewater treatment system and then sold. Raw materials utilized in the production process include aluminum foil, nitric acid, tartaric acid, sodium hydroxide, calcium hydroxide, sodium chloride, sulfuric acid, and dimethylformamide.

The facility is located in the Blue Ridge physiographic province and Piedmont Blue Ridge groundwater region. The region is characterized by a thick layer of residual soil and weathered rock overlying fractured crystalline and metamorphosed sedimentary rocks. Geologically, the area of the electric company is underlain by residual soils ranging from 25 to 36 feet thick with the residuum being underlain by blue and white metamorphosed granite rocks of the Late Proterozoic era. The aquifer used in the area is the unconfined crystalline rock aquifer system. Water levels in the immediate area of the facility are less than 25 feet below land surface because of its proximity to the New River.

The surface water pathway was determined to be of concern for this facility. Because the facility is surrounded by the New River on three sides, surface water runoff leaving the facility via various onsite drainage routes enters the river directly. Additionally, wastewater from the sewage treatment plant and non-contact boiler water are discharged into the New River. Water from the aluminum oxide treatment lagoon system was never discharged to the river, but rather either percolated into the ground or evaporated. Due to the lagoons' proximity to the river, percolation into the river may have occurred. This process has now been discontinued. The river is utilized for recreational swimming, fishing, and boating. The groundwater pathway is also of concern. All totaled, 600 municipal customers and 800 private residences (2.89 x 1,400 = 4,046 people) utilize groundwater for potable purposes within a 4-mile site radius and would be at potential risk if contamination to groundwater occurs. Due to restricted site access, the air pathway is of least concern; however, onsite employees could be potentially exposed to organic and inorganic contaminants detected in onsite surface soil samples.

Sixteen environmental samples were collected during the field investigation associated with this study. No site-related organic contaminants were detected in the onsite samples. Surface and subsurface soil samples collected from near the drum storage area and storage tank area contained a total of five metals at elevated levels. A sediment sample collected from a surface impoundment contained elevated levels of three different metals. Results from the analysis of surface water samples collected downstream of the facility and from one of the facility's surface impoundments revealed the presence of six inorganic substances at elevated levels.

The predominant heavy metals detected throughout the samples were mercury and zinc. Metals such as aluminum, beryllium, copper, iron, lead, nickel, and manganese were also reported at many times the background level. These and other impurities can be removed from aluminum in the etching bath process. Sample results also indicated the presence of mercury. Mercury is utilized in electrical applications.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, FIT 4 recommends that this site be evaluated using the HRS (effective March 14, 1991).

1.0 INTRODUCTION

The HALLIBURTON NUS Environmental Corporation Region 4 Field Investigation Team (FIT) was tasked by the U.S. Environmental Protection Agency (EPA), Waste Management Division to conduct a Site Inspection (SI) at the Sprague Electric Company facility in Lansing, Ashe County, North Carolina. 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 F4-9010-25. The field investigation was conducted December 11-12, 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 relevant background materials.
- Obtain information on local water systems.
- Determine location of and distance to nearest potable well.
- Evaluate potentially affected populations and environments associated with the groundwater, surface water, air, and soil exposure pathways.

- Develop a site sketch.
- Collect environmental samples.

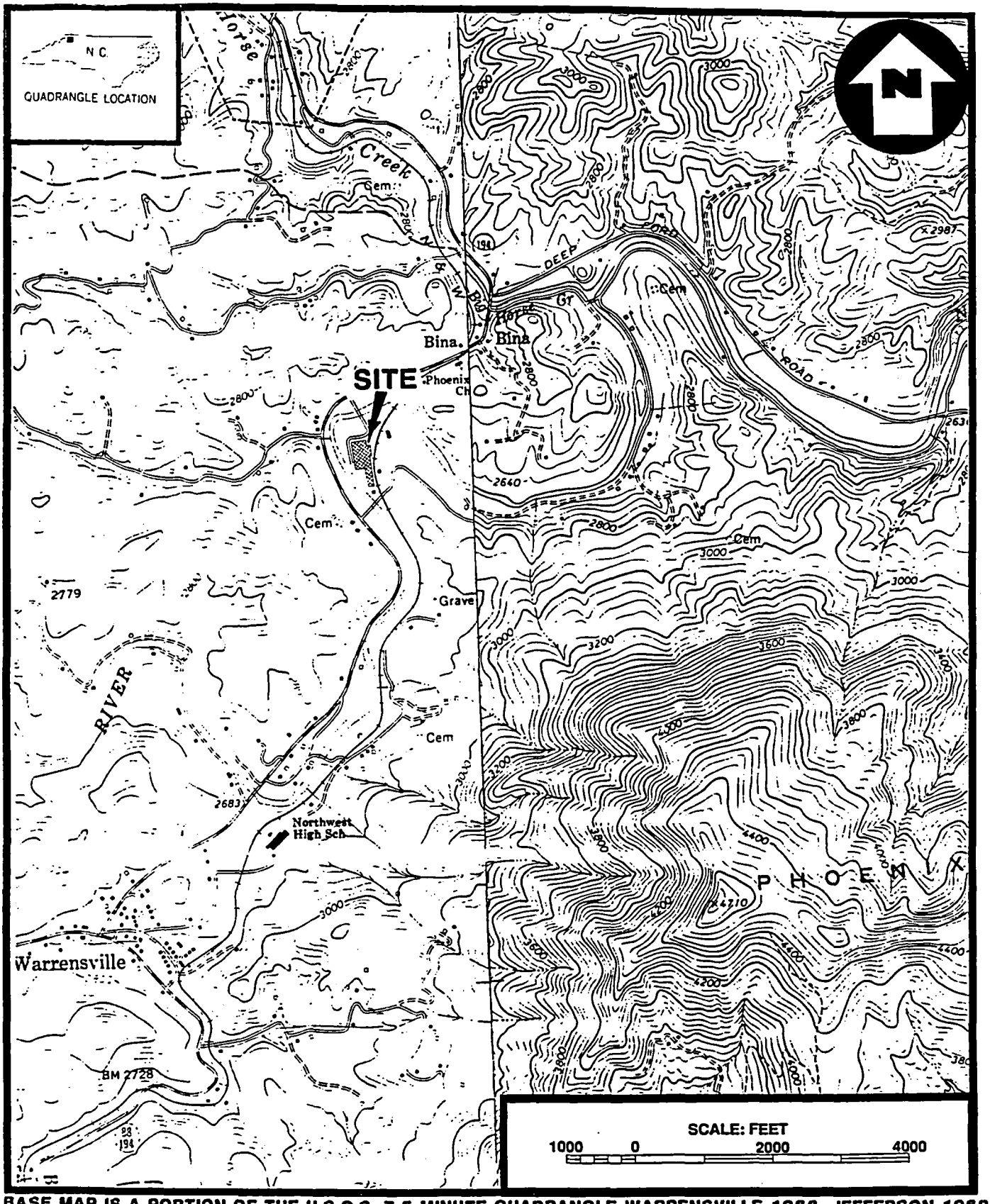
2.0 SITE CHARACTERIZATION

2.1 SITE HISTORY

The Sprague Electric Company facility is situated on a tract of land located off of Highway 194 approximately 1.25 miles south of Lansing, Ashe County, North Carolina (Ref. 1, Appendix A). The facility location is shown in Figure 1, and the facility layout is shown in Figure 2. The facility has been actively engaged in the manufacturing of aluminum electrolytic capacitors since 1953 and is the only known industry that has ever occupied the facility area (Refs. 1, 2).

The manufacturing process involves the etching of aluminum foil in an electrochemical bath. Aluminum oxides formed in the process are recovered from a wastewater treatment system. Waste dimethylformamide (DMF) was also used in the process (Refs. 1, 2). Available information indicates that wastes were handled in essentially the same manner since operations commenced (Ref. 2).

On November 17, 1980, Sprague Electric Company filed a RCRA Part A hazardous waste permit application for treatment of wastes. They reported that their facility conducted operations that resulted in a discharge to U.S. waters and that 250,000,000 pounds of corrosive waste (D002) were treated per year (Ref. 3). At the time of filing, Sprague Electric Company officials advised the U.S. Environmental Protection Agency that they were in doubt as to whether or not the Lansing plant was a waste treatment, storage, or disposal facility under the Resource Conservation and Recovery Act, and that the application was submitted as a precaution in case this location was such a facility (Ref. 4). On December 16, 1981, the USEPA advised Sprague Electric Company that they acknowledged receipt of Sprague's request for withdrawal of their permit application under RCRA (Ref. 5). On March 4, 1982, the North Carolina Solid and Hazardous Waste Management Branch (NCHWMB) granted Sprague's request for deletion as a treater, storer, or disposer of hazardous waste under RCRA (Ref. 6). On July 1, 1983, Sprague was also deleted as a large quantity generator of hazardous waste under RCRA (Ref. 7). On November 14, 1983, Sprague advised the NCHWBM that a Part B application for the facility would not be filed. On March 13, 1984, the NCHWMB advised Sprague that their interim status was formally terminated (Ref. 8). The facility is currently listed as a small-quantity generator (Ref. 9).

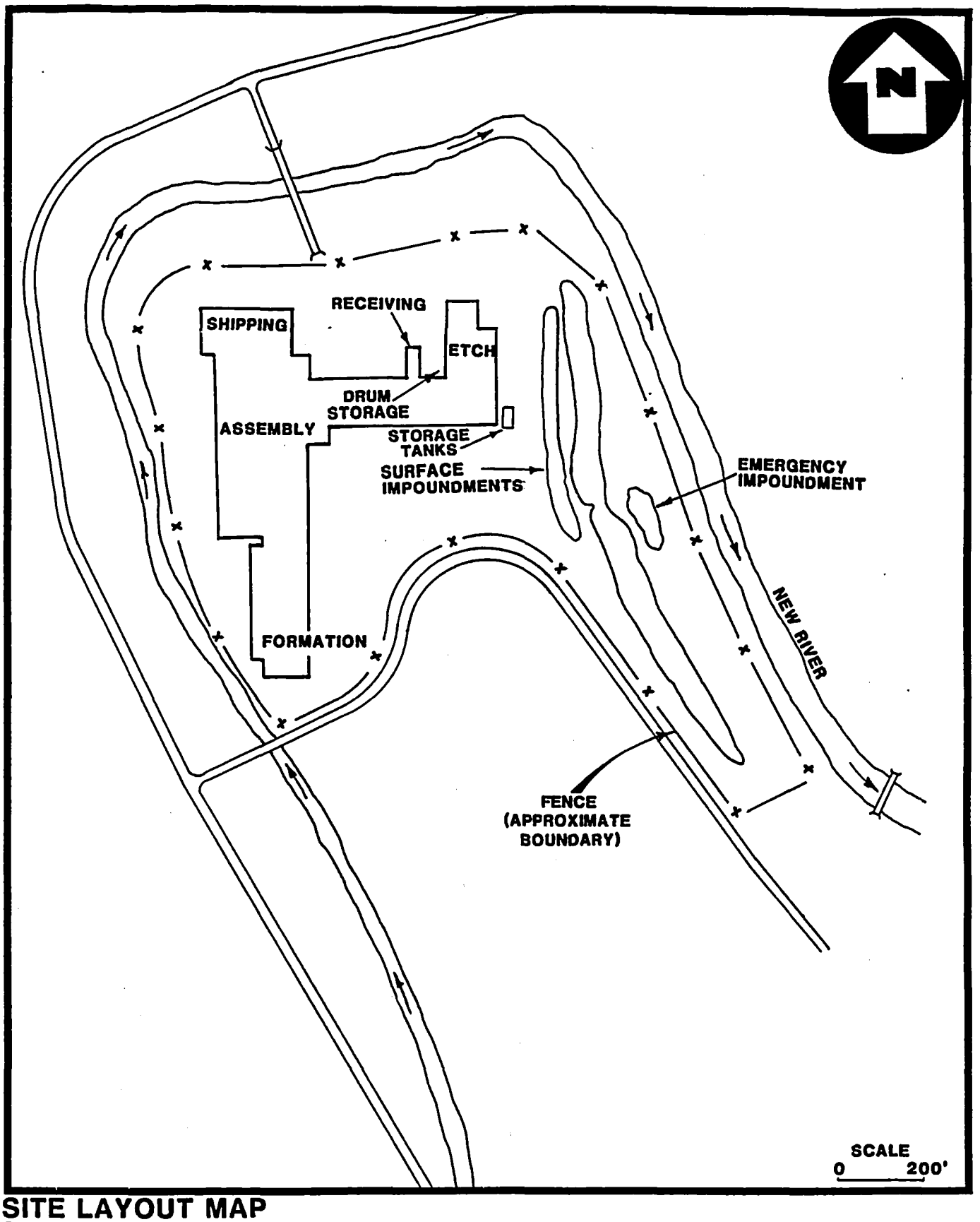


BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE QUADRANGLE WARRENSVILLE 1966, JEFFERSON 1968, NORTH CAROLINA.

SITE LOCATION MAP
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

FIGURE 1

NUS CORPORATION



SITE LAYOUT MAP
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

FIGURE 2

NUS CORPORATION

2.2 SITE DESCRIPTION

2.2.1 Site Features

The currently active facility is situated on a 60-acre tract of property located adjacent to Highway 195 approximately 1.25 miles south of Lansing, North Carolina, in a rural section of Ashe County (Ref. 1, Appendix A). The facility is enclosed within a 6-foot-high chain-link fence, and access to the property is restricted to a main entrance gate located along the facility's south side (Ref. 10). The operation is comprised of the main facility building housing office and warehouse space, assembly and etching operations, as well as shipping and receiving areas (Ref. 10, Figure 2). Areas adjacent to the facility are paved access roads and parking areas, while areas further away from the facility are comprised of grassy areas (Ref. 10, Figure 2). Additionally, a wastewater treatment lagoon system located east of the facility and adjacent to the New River was constructed to allow for the settling of aluminum oxides (Refs. 1, 2, Figure 2). This system is no longer in operation (Ref. 10). A drum storage area, a tank storage area, and a sewage treatment plant also exist on site (Ref. 10, Figure 2). The tank storage area contains two sulfuric acid and two nitric acid storage tanks (Ref. 10). Three industrial wells also exist on site, however, only one of them is currently in use (Ref. 10).

2.2.2 Waste Characteristics

The facility, since inception, has been actively engaged in the manufacturing of aluminum electrolytic capacitors (Refs. 1, 2). Raw materials utilized in the production process include aluminum foil, nitric acid, tartaric acid, sodium hydroxide, calcium hydroxide, sodium chloride, sulfuric acid, and dimethylformamide (DMF) (Refs. 1, 2). A wastewater treatment lagoon system was formerly operated on site to allow for the settling and treatment of aluminum oxide wastewater (Refs. 1, 2, Figure 2). Aluminum oxides formed from a manufacturing process involving the etching of aluminum foil in an electrochemical bath were recovered from the wastewater treatment system by filtering and settling in the lagoon, then were mined and sold (Refs. 1, 2). Wastewater from this system was not allowed to be discharged to the New River but rather was allowed to percolate into the ground or evaporate (Ref. 11). These lagoons are therefore believed to be unlined and this treatment process has been discontinued. Wastewater from the sewage treatment plant and non-contact boiler water are discharged into the New River and are NPDES permitted (Ref. 11). Waste dimethylformamide (DMF) used in the process is stored in drums and shipped off site (Refs. 1, 2). A drum storage area also exists adjacent to the former etching building (Ref. 10). Available information indicates that wastes have been handled in essentially the same manner since operations commenced (Ref. 2).

3.0 REGIONAL POPULATIONS AND ENVIRONMENTS

3.1 POPULATION AND LAND USE

3.1.1 Demography

The Sprague Electric Company facility is located in a rural portion of Ashe County approximately 1.25 miles south of Lansing, North Carolina (Appendix A). Most of the population in the area consists of full-time residents. Population density increases most sharply near Lansing (Appendix A). The population within a 1-mile radius is approximately 258; within a 4-mile radius, the population is estimated to be 2,300 (Ref. 12, Appendix A). The nearest residence is located approximately 400 feet west of the facility. No day-care centers are located adjacent to the facility. The nearest school identified is located approximately 1.1 miles south of the facility (Appendix A). Direct access to the facility is limited by a chain-link fence which restricts unauthorized entry (Figure 2).

3.1.2 Land Use

The majority of the land area within a 1-mile radius of the facility is rural (Appendix A). Cattle production is the primary type of agricultural activity practiced in the county. The county has about 34,500 head of cattle and ranks second in the state in cattle production. Permanent pastureland accounts for a large portion of the local land use, with the remainder in forestland (Ref. 13, Appendix A). Forest products, hay, tobacco, corn, and truck crops account for the remaining agriculture (Ref. 13). Only small towns exist in the study area which include Lansing, Smithport, and Warrensville (Appendix A). The area is best characterized as hilly and mountainous and has many relatively high mountain peaks (Ref. 13, Appendix A).

Phoenix Mountain, located approximately 1 mile southeast of the facility, is a sensitive environment which supports 11 peripherally rare plant species plus several endangered species (Ref. 14). The Cooper's hawk (*Occipiter cooperii*), bog rose (*Arethusa bulbosa*), robin runaway (*Dalibarda repens*), fringed gentian (*Gentianopsis crinita*), spreading avens (*Geum radiatum*), virginia spiraea (*Spiraea virginiana*), and the roseroot (*Sedum rosea*) are state endangered species in Ashe County. In addition, several state listed threatened species also exist in Ashe County (Ref. 15).

3.2 SURFACE WATER

3.2.1 Climatology

The average annual rainfall in the Ashe County region is approximately 50 inches per year. Mean annual evaporation is approximately 33 inches per year. Net rainfall is, therefore, 17 inches per year. In the month of July, the site area receives most of its normal precipitation (approximately 6 inches) (Ref. 16). The site area receives the least precipitation during the month of October (approximately 3 inches) (Ref. 16). The 2-year, 24-hour rainfall is approximately 3 inches (Ref. 17). In winter, the average temperature is 34°F, and in summer the average temperature is 67°F (Ref. 13).

3.2.2 Overland Drainage

Surface water run-off from the facility has the potential to migrate north, east, and west into the North Fork of the New River located adjacent to the facility. The North Fork of the New River follows a meandering path to the northeast, beyond 15 miles downstream from the facility (Appendix A). Since the facility property is located adjacent to the river, run-off has the potential to enter the river directly.

3.2.3 Potentially Affected Water Bodies

There are no known surface water intakes utilized for potable purposes located along the drainage pathway; however, fishing, boating, and swimming are recreational uses of the river (Refs. 18, 19). The New River is utilized for irrigational purposes (Ref. 18).

3.3 GROUNDWATER

3.3.1 Hydrogeology

The Sprague Electric Company is located in the Blue Ridge physiographic province and Piedmont-Blue Ridge groundwater region. This region is characterized by a thick layer of residual soil and weathered rock overlying fractured crystalline and metamorphosed sedimentary rocks (Refs. 20, plate 28; 21, pp. 251, 252). The immediate area around the facility consists of high hills and steeply sloped, narrow valleys (Appendix A).

Geologically, the area of the electric company is underlain by residual soils ranging from 25 to 36 feet thick. The residuum is underlain by blue and white metamorphosed granite rocks of the Late

Proterozoic era (Ref. 22). The aquifer used in the area is the crystalline rock aquifer system (Ref. 23, p. 331). Two wells drilled in the city of Warrensville, 1.5 miles south of the facility, were 80 and 130 feet deep. The 80-foot deep well reached water at 70 and 75 feet below land surface (bls). The 130-foot deep well reached water at 50 feet bls (Ref. 22). Water levels in the immediate area of the facility are less than 25 feet bls because of its proximity to the New River. The direction of groundwater flow is in the local area downgradient toward the North Fork of the New River (Appendix A).

Groundwater flows along the fractures in the bedrock and in the intergranular pore spaces of the residual soils. The porosity and the hydraulic conductivity of the soil decreases as depth increases (Ref. 24, pp. 12-14). Some igneous dikes are found in the Piedmont region, but these have few fractures and contain little water (Ref. 24, p. 10). The residual soils and bedrock are hydrologically interconnected (Ref. 21, pp. 252, 253). The unsaturated zone of the residual soils represents the layer of lowest hydraulic conductivity. Soils of this type have been shown to have hydraulic conductivities that range between 1×10^{-3} cm/sec and 1×10^{-5} cm/sec (Ref. 25, p. 29).

3.3.2 Aquifer Use

Two municipal water systems exist within a 4-mile radius of the facility. The nearby town of Lansing obtains its water from two wells located approximately 1.5 miles north of the facility and within the Lansing corporate boundary (Ref. 26, Appendix A). This system currently provides service to 65 customers (2.89 x 65 = 187 people) within the corporate boundary (Ref. 26). The Jefferson Water Department provides service to a very small segment of the study area located approximately 3.8 miles southeast of the facility (Appendix A). This system obtains its water from seven wells located in and near Jefferson, North Carolina (Ref. 26, Appendix A). Only one of these wells, however, is situated within the 4-mile radius and is located approximately 3.9 miles southeast of the facility. The water from these wells is mixed prior to distribution (Ref. 26, Appendix A). This system currently provides service to 535 customers (2.89 x 535 = 1,546 people) (Ref. 26). Residences not served by these municipal systems rely on wells and springs to supply their potable water needs. Information derived from a house count on USGS 7.5 minute series topographic quadrangle maps was used to approximate the number of private wells and springs being utilized. Within a 4-mile radius of the facility, approximately 800 residences and 600 municipal customers (2.89 x 1,400 = 4,046 people) utilize groundwater from private wells or springs for potable purposes. The nearest well is located approximately 500 feet west of the facility (Appendix A).

4.0 FIELD INVESTIGATION

4.1 SAMPLE COLLECTION

During the field investigation, conducted the week of December 11, 1991, FIT 4 attempted to identify and characterize contaminants which may be present in the environment as a result of activities that were conducted at Sprague Electric Company. To accomplish this, FIT 4 collected environmental surface soil, subsurface soil, sediment, and surface water samples from a number of strategic locations. These locations were selected based on historical information, hydrogeological data for the region and site area, and direct observation at the site.

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

Duplicate samples were offered to and declined by Thomas Miller, a designated representative of Sprague Electric Company. Receipt for sample forms are on file at FIT 4.

4.1.3 Description of Samples and Sample Locations

During the sampling investigation, a total of 16 environmental samples were collected. Surface and subsurface soil samples were collected from near the aboveground storage tank area and from the drum storage area. Background samples for these media were collected south of the facility adjacent to the New River. Surface water and sediment samples were collected from locations upstream and downstream of the facility on the New River. An additional surface water sample and a sediment sample were also collected from an onsite surface impoundment. No groundwater samples were collected due to the depth to groundwater and the presence of rock at shallow depths (Ref. 10). Sample codes, descriptions, locations, and rationale are presented in Table 1. All sample locations are shown in Figure 3.

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

Sample Code	Description	Location	Rationale
SE-SS-01	Surface Soil	From an area south of the facility adjacent to the New River	To assess background conditions
SE-SS-02	Surface Soil	From the northern side of the main facility adjacent to a drum storage area	To determine presence or absence of contaminants
SE-SS-03	Surface Soil	From the eastern side of the main facility adjacent to the nitric and sulfuric acid storage tanks	To determine presence or absence of contaminants
SE-SS-04	Surface Soil	From an area located approximately 20 feet east of the nitric and sulfuric acid storage tanks	To determine presence or absence of contaminants
SE-SB-01	Subsurface Soil	From an area south of the facility adjacent to the New River at 3 to 4 feet bls	To assess background conditions
SE-SB-02	Subsurface Soil	From the northern side of the main facility adjacent to a drum storage area at 4 feet bls	To determine presence or absence of contaminants
SE-SW-01	Surface Water	From an upstream location on the New River south of the facility	To assess upstream (background) surface water conditions
SE-SW-02	Surface Water	From a downstream location west of the facility on the New River from a facility discharge pipe	To determine presence or absence of contaminants
SE-SW-03	Surface Water	From a location north and downstream of the facility on the New River	To assess downstream surface water conditions
SE-SW-04	Surface Water	From a surface impoundment located east of the facility	To determine presence or absence of contaminants
SE-SW-05	Surface Water	From a location southeast and downstream of the facility on the New River	To assess downstream surface water conditions
SE-SD-01	Sediment	From an upstream location on the New River south of the facility	To assess upstream sediment conditions

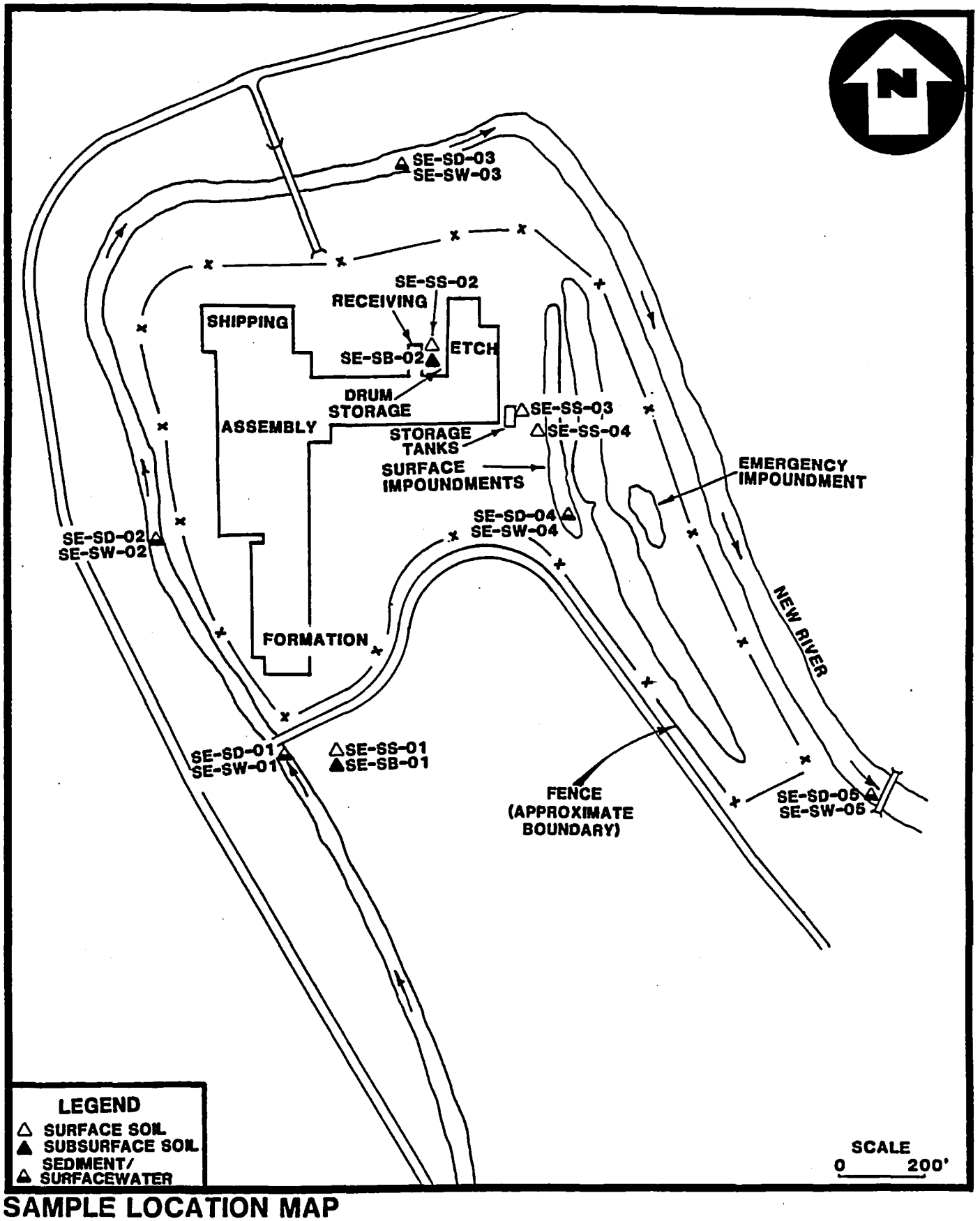
SE - Sprague Electric Company
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
bls - Below Land Surface

TABLE 1

SAMPLE CODES, DESCRIPTIONS, LOCATIONS, AND RATIONALE
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

Sample Code	Description	Location	Rationale
SE-SD-02	Sediment	From a downstream location west of the facility on the New River, near a facility discharge pipe	To determine presence or absence of contaminants
SE-SD-03	Sediment	From a location north and downstream of the facility on the New River	To assess downstream sediment conditions
SE-SD-04	Sediment	From a surface impoundment located east of the facility	To determine presence or absence of contaminants
SE-SD-05	Sediment	From a location southeast and downstream of the facility on the New River	To assess downstream sediment conditions

SE - Sprague Electric Company
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
bls - Below Land Surface



SAMPLE LOCATION MAP
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

FIGURE 3

NUS CORPORATION

4.1.4 Field Measurements

Field measurements were performed on all water samples (Table 2). Parameters measured included temperature, pH, and conductivity of the sample at time of collection. No field measurements were performed on the soil samples during this investigation.

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 organic and inorganic parameters listed in the Target Compound List (TCL). Organic analysis of soil and water samples was performed by Compuchem of Research Triangle Park, North Carolina. Inorganic analysis of soil and water samples was performed by S-Cubed of San Diego, California.

All laboratory analyses and laboratory quality assurance procedures used during this investigation were in accordance with standard procedures and protocols as specified in the Laboratory Operations and Quality Control Manual, United States Environmental Protection Agency, Region IV, Environmental Services Division, issued October 24, 1990; or as specified by the existing United States Environmental Protection Agency standard procedures and protocols for the Contract Laboratory Program (CLP) Statement of Work (SOW), as applicable.

4.2.2 Analytical Data Quality and Data Qualifiers

All analytical data were subjected to a quality assurance review as described in the EPA Environmental Services Division laboratory data evaluation 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 of its presence. Results for some background samples are reported with a "U" flag. This flag means that the material was analyzed for but not detected. The reported number is the laboratory-derived minimum quantitation limit (MQL) for the compound or element in that sample. At times, miscellaneous organic compounds that do not appear on the target compound list are reported with a data set. These compounds are labeled as "JN", indicating that they are tentatively identified at estimated quantities. Because these

TABLE 2

FIELD MEASUREMENTS
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

Sample Code	pH	Conductivity (umhos/cm)	Temp. (°F)
SE-SW-01	7.65	54	53.1
SE-SW-02	8.94	990	72.9
SE-SW-03	7.57	578	57.4
SE-SW-04	5.03	328	47.2
SE-SW-05	7.05	91	43.5

SE - Sprague Electric
SW - Surface Water

compounds are not routinely analyzed for or reported, background levels or MQL values are not generally available for comparison. The complete analytical data sheets and analytical data qualifier reports are presented in Appendix B.

4.2.3 Presentation of Analytical Results

This section presents a discussion and interpretation of the analytical results from the environmental samples collected during the investigation at Sprague Electric Company. Results of surface soil, subsurface soil, sediment, and surface water samples are presented in Tables 3, 4, 5, 6, 7, 8, and 9. Background samples have been designated for all media. Values for background sample results are presented as either a measured value or as the minimum quantitation limit (MQL). Samples containing concentrations of contaminants greater than three times the background level or MQL of these contaminants are considered to be elevated. These samples are noted in the text.

Summaries of inorganic analytical results can be found in Tables 3, 4, 5, and 6. There were four surface soil samples collected during the investigation. Sample SE-SS-02 was collected from the north side of the main facility adjacent to a drum storage area. This sample contained elevated levels of mercury (0.40J mg/kg; 3 times MQL), nickel (190 mg/kg; 5 times background), and zinc (260 mg/kg; 3 times background). Another surface soil sample containing elevated levels of metals was SE-SS-04, collected 20 feet east of the nitric and sulfuric acid storage tanks. This sample contained lead at an estimated level 3 times background (40J mg/kg). The remaining two surface soil samples contained no elevated levels of metals.

There were two subsurface soil samples collected. The onsite sample SE-SB-02 was taken from the same location as the corresponding surface soil sample (north of the main building adjacent to the drum storage area). It was determined that this sample contained beryllium at a level 3 times MQL (1.6 mg/kg).

There were five locations at which a sediment and a surface water sample were collected. Of the five sediment samples, only one, SE-SD-04, contained inorganics at elevated concentrations. This sediment sample was collected from a surface impoundment located east of the facility building. SE-SD-04 contained aluminum (290,000 mg/kg; 8 times background), mercury (0.8J mg/kg; 4 times MQL), and sodium (9100 mg/kg; 25 times MQL).

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	North of Main Building, Adjacent to Drum Storage Area	West of Main Building, Adjacent to the Nitric and Sulfuric Acid Storage Tanks	20 feet West of Nitric and Sulfuric Acid Storage Tanks
	SE-SS-01	SE-SS-02	SE-SS-03	SE-SS-04
ALUMINUM	43,000	25,000	69,000	41,000
ARSENIC	3.5	-	2.7	-
BARIUM	270	380	210	640
CADMIUM	1.1U	2.4	-	-
CALCIUM	2700	5400	5500	2600
CHROMIUM	88	45	93	92
COBALT	24	22	52	25
COPPER	42	100	42	37
IRON	48,000	36,000	58,000	54,000
LEAD	13J	33J	14J	40J
MAGNESIUM	7600	7700	5600	13,000
MANGANESE	590U	650	1300	700
MERCURY	0.13U	0.40J	-	-
NICKEL	35	190	35	38
POTASSIUM	3700	4900	1600	9900

- 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.

TABLE 3

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background	North of Main Building, Adjacent to Drum Storage Area	West of Main Building, Adjacent to the Nitric and Sulfuric Acid Storage Tanks	20 feet West of Nitric and Sulfuric Acid Storage Tanks
	SE-SS-01	SE-SS-02	SE-SS-03	SE-SS-04
SODIUM	3600	-	-	-
VANADIUM	120	110	170	130
ZINC	76	260	68	86
CYANIDE	0.66U	-	0.86	0.89

- 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.

TABLE 4

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SUBSURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background SE-SB-01	North of Main Building, Adjacent to Drum Storage Area SE-SB-02
ALUMINUM	22,000	26,000
BARIUM	170	360
BERYLLIUM	0.53U	1.6
CADMIUM	0.96U	-
CALCIUM	2900	6600
CHROMIUM	68	37
COBALT	23	23
COPPER	36	37
IRON	30,000	39,000
LEAD	5.6J	3.2J
MAGNESIUM	6300	9000
MANGANESE	560	620
NICKEL	24	18
POTASSIUM	2700	6300
VANADIUM	81	120
ZINC	47	39

- \- 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.

TABLE 5

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (mg/kg)	Background SS-SD-01	Downstream, West of Facility on the New River SE-SD-02	Downstream, North of Facility on the New River SE-SD-03	Surface Impoundment East of Facility SE-SD-04	Downstream, Southeast of Facility on the New River SE-SD-05
ALUMINUM	37,000	6000	17,000	290,000	12,000
BARIUM	290	51	120	55	98
CALCIUM	2400	1500	3400	750	1500
CHROMIUM	48	17	36	23	26
COBALT	28	6.8	17	5.7	12
COPPER	32	35	53	46	22
IRON	49,000	12,000	25,000	13,000	18,000
LEAD	31J	17J	27J	7.3J	9.2J
MAGNESIUM	7800	1800	4400	1200	3600
MANGANESE	920	210	480	110	360
MERCURY	0.18U	-	-	0.80J	-
NICKEL	28	28	21	15	14
POTASSIUM	4500	-	2500	1600	2100
SODIUM	U	-	-	9100	-
VANADIUM	100	32	67	43	45
ZINC	99	39	100	48	49
CYANIDE	0.91U	-	-	1.7	-

- 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.

TABLE 6

SUMMARY OF INORGANIC ANALYTICAL RESULTS
SURFACE WATER SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (ug/l)	Trip Blank SE-TB-01W	Background SE-SW-01	Downstream, West of Facility on the New River SE-SW-02	Downstream, North of Facility on the New River SE-SW-03	Surface Impoundment East of Facility SE-SW-04	Downstream, Southeast of Facility on the New River SE-SW-05
BARIUM	-	20U	-	18	-	28
CALCIUM	-	3500	3300	4500	11,000	4500
COPPER	-	4U	29	-	-	-
IRON	-	190U	-	-	-	800
MAGNESIUM	-	1300	1200	1700	2600	1800
MANGANESE	-	20U	-	-	120	100
POTASSIUM	-	1100U	-	1300	-	1600
SODIUM	-	2500U	13,000	-	47,000	3400
ZINC	-	6U	43	-	-	-

\- Material analyzed for but not detected above minimum quantitation limit (MQL).
U Material was analyzed for but not detected. The number given is the MQL.

Elevated inorganic concentrations were detected in three of the surface water samples. Sample SE-SW-02, collected downstream on the New River west of the site, contained copper (29 ug/l; 7 times MQL), sodium (13,000 ug/l; 5 times MQL), and zinc (43 ug/l; times MQL). The surface water collected from a surface impoundment (SE-SW-04) contained calcium (11,000 ug/l; 3 times background), manganese (120 ug/l; 6 times MQL), and sodium (47,000 ug/l; 19 times MQL). SE-SW-05 was collected downstream on the New River southeast of the site. This sample contained elevated concentrations of iron (800 ug/l; 4 times MQL) and manganese (100 ug/l; 5 times MQL).

Most of the metals detected can be attributed to operations at the facility. The plant manufactures aluminum electrolytic capacitors. Many metals are commonly found in a binary system with aluminum, including beryllium, copper, iron, manganese, nickel, lead, and zinc (Ref. 27). These and other impurities can be removed from aluminum in the etching bath process. This could explain their presence in samples collected during the investigation. The source of the mercury (identified in estimated values in two of the samples) is uncertain. The major use of mercury is in electrical applications such as batteries, electric lamps, wiring and switching devices (Ref. 28).

Summaries of organic results can be found in Tables 7, 8, and 9. There were no organic compounds detected at elevated levels in any of the samples collected. There were, however, several polynuclear aromatic hydrocarbons detected in estimated concentrations in a few of the onsite soil samples. These contaminants were not, however, at concentrations above the MQLs for those compounds.

TABLE 7

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Trip Blank SE-TB-01S	Background SE-SS-01	North of Main Building, Adjacent to Drum Storage Area SE-SS-02	West of Main Building, Adjacent to the Nitric and Sulfuric Acid Storage Tanks SE-SS-03	20 feet West of Nitric and Sulfuric Acid Storage Tanks SE-SS-04
EXTRACTABLE COMPOUNDS					
ACENAPHTHENE	-	890U	81J	-	-
FLUORENE	-	890U	86J	-	-
PHENANTHRENE	-	890U	780J	130J	-
ANTHRACENE	-	890U	190J	-	-
FLUORANTHENE	-	890U	-	160J	-
PYRENE	-	890U	480J	-	-
CHRYSENE	-	890U	310J	-	-
BENZO(B AND/OR K)FLUORANTHENE	-	890U	420J	-	-
BENZO-A-PYRENE	-	890U	430J	-	-
INDENO (1,2,3-CD) PYRENE	-	890U	210J	-	-
BENZO(GHI)PERYLENE	-	890U	230J	-	-
UNIDENTIFIED COMPOUNDS	-	7000J/5	800J	3000J/3	-
BENZACEPHENANTHRYLENE(1)			500JN		

- 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.
N Presumptive evidence of presence of material.
(1) Tentatively identified and unidentified compound. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 7

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Trip Blank SE-TB-01S	Background SE-SS-01	North of Main Building, Adjacent to Drum Storage Area SE-SS-02	West of Main Building, Adjacent to the Nitric and Sulfuric Acid Storage Tanks SE-SS-03	20 feet West of Nitric and Sulfuric Acid Storage Tanks SE-SS-04
PESTICIDE\PCB COMPOUNDS					
4,4'-DDE (P,P'-DDE)	-	22U	51	-	-

- 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.
N Presumptive evidence of presence of material.
(1) Tentatively identified and unidentified compound. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

TABLE 8

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SUBSURFACE SOIL SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background SE-SB-01	North of Main Building, Adjacent to Drum Storage Area SE-SB-02
EXTRACTABLE COMPOUNDS		
PHENANTHRENE	810U	110J
FLUORANTHENE	810U	91J

J Estimated value.
U Material was analyzed for but not detected. The number given is the MQL.

TABLE 9

SUMMARY OF ORGANIC ANALYTICAL RESULTS
SEDIMENT SAMPLES
SPRAGUE ELECTRIC COMPANY
LANSING, ASHE COUNTY, NORTH CAROLINA

PARAMETERS (ug/kg)	Background SE-SD-01	Downstream, West of Facility on the New River SE-SD-02	Downstream, North of Facility on the New River SE-SD-03	Surface Impoundment West of Facility SE-SD-04	Downstream, Southeast of Facility on the New River SE-SD-05
PURGEABLE COMPOUNDS					
CHLOROFORM	10U	-	6J	-	-
EXTRACTABLE COMPOUNDS					
PHENANTHRENE	1300U	-	170J	-	-
DI-N-BUTYLPHTHALATE	1300U	-	170J	-	-
FLUORANTHENE	1300U	-	220J	-	-
PYRENE	1300U	-	120J	-	-
BENZO-A-PYRENE	380J	-	-	-	-
UNIDENTIFIED COMPOUNDS	10,000J/5	-	3000J/2	30,000J/14	5000J/5
PHOSPHORIC ACID, DIOCTADECYLESTER(1)	2000JN				1000JN
PETROLEUM PRODUCT(1)				N	
HYDROXYPHENYLMETHYLPHENOL(1)					700JN

- 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.
N Presumptive evidence of presence of material.
(1) Tentatively identified and unidentified compound. This compound is not on Target Compound List and is reported only as detected in individual samples; MQL not determined.

5.0 SUMMARY

The surface water pathway is of concern from operations conducted at Sprague Electric Company. Contaminants can enter the river directly via surface water run-off, or indirectly by downward leakage through surface and subsurface soils, through percolation from the lagoon system, or by rainfall, until they reach the water table which eventually discharges into the New River. The New River is utilized for recreational fishing, boating and swimming. The groundwater pathway is also of concern due to the use of the unconfined crystalline rock aquifer in the area. Within a 4-mile site radius, approximately 600 municipal customers and 800 private residences utilize groundwater to supply their potable water needs. The air migration and onsite exposure pathways are of least concern at the facility due to restricted site access, however, onsite employees could be potentially exposed to organic and inorganic contaminants detected in onsite surface soil samples.

The sampling investigation consisted of the collection of 16 environmental samples: four surface soil, two subsurface soil, five sediment, and five surface water samples. No organic compounds were detected at concentrations above the MQLs for those compounds. Several polynuclear aromatic compounds were detected at estimated concentrations in a few of the onsite soil samples, but they are not believed to be site related. Surface and subsurface soil samples collected near the drum storage area and near the storage tank area were found to be contaminated with five different inorganic contaminants. Inorganic contaminants of greatest concern include lead and zinc, which are potential impurities removed from aluminum in the etching bath process. Mercury, which is utilized in electrical applications, was detected in a subsurface soil sample collected near the drum storage area. A sediment sample collected from a surface impoundment contained several metals including aluminum and mercury which are potentially site related. Analysis of surface water samples collected downstream of the facility and from one of the facility's surface impoundments revealed the presence of six inorganic substances. Most notably, copper, iron, manganese, and zinc were detected, and all are potential constituents of the aluminum etching bath process. It appears that these inorganic contaminants have the potential to enter the New River.

Based on the analysis of possible migration pathways, the results of the sampling investigation, and the information obtained from the references, FIT 4 recommends that this site be evaluated using the HRS (effective March 14, 1991).

REFERENCES

1. Stan Atwood, North Carolina Solid and Hazardous Waste Management Branch, letter to Denise Bland, EPA NC CERCLA Project Officer, November 27, 1985. Subject: Preliminary Assessment Report.

2. Stan Atwood, North Carolina Solid and Hazardous Waste Management Branch, letter to file, November 19, 1985. Subject: Sprague Electric Company.

3. EPA Notification of Hazardous Waste Site (EPA Form 3510-1) for Sprague Electric Company. Completed by Robert D. Smith, V.P., Materials and Manpower, Sprague Electric Company, November 17, 1980.

4. Fred A. Windover, Sprague Electric Company, letter to EPA Region IV, November 17, 1980. Subject: Hazardous Waste Permit Application for Sprague Electric Company.

5. James H. Scarbrough, Chief, Residuals Management Branch, letter to Fred A. Windover, Sprague Electric Company, December 16, 1981. Subject: Acknowledgement of request for withdrawal of RCRA permit application.

6. O.W. Strickland, Head, North Carolina Solid and Hazardous Waste Management Branch, letter to Fred A. Windover, Sprague Electric Company, March 4, 1982. Subject: Notification of facility status change.

7. O.W. Strickland, Head, North Carolina Solid and Hazardous Waste Management Branch, letter to Edward A. Stone, Sprague Electric Company, July 1, 1983. Subject: Notification of facility status change.

8. O.W. Strickland, Head, North Carolina Solid and Hazardous Waste Management Branch, letter to Edward A. Stone, Sprague Electric Company, March 13, 1984. Subject: Sprague Electric Company.

9. North Carolina Department of Human Resources, Solid and Hazardous Waste Management, Alphabetical List of Hazardous Waste Facilities, August 10, 1989. Subject: Sprague Electric Company.

10. NUS Corporation Field Logbook No. F4-2661 for Sprague Electric Company, TDD No. F4-9010-25. Documentation of Phase II Screening Site Inspection, December 11-12, 1990.

11. Jack Hardin, Sprague Electric Company, Lansing, North Carolina, telephone conversation with Eric Corbin, HALLIBURTON NUS Environmental Corporation, March 14, 1991. Subject: Wastewater discharges.

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

13. U.S. Department of Agriculture, Soil Conservation Service, Soil Survey of Ashe County, North Carolina, (January 1984).

14. North Carolina Natural Heritage Program Natural Areas Database for Ashe County, July 5, 1989, p. 9.

15. North Carolina Natural Heritage Program Element List for Ashe County, June 30, 1989, p. 2.

16. U.S. Department of Commerce, Climatic Atlas of the United States, (Washington, D.C.: GPO, June 1968) Reprint: 1983, National Oceanic and Atmospheric Administration, pp. 43, 63.

17. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper No. 40 (Washington, D.C.: GPO, 1961), p. 95.

18. Sonny Williams, Game Warden, Ashe County, North Carolina, telephone conversation with Eric Corbin, NUS Corporation, March 14, 1990. Subject: Recreational uses of the New River.

19. HALLIBURTON NUS Environmental Corporation Project Note, North Carolina Surface Water Intakes, July 11, 1990. Subject: Ashe County, North Carolina.

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

21. Linda Aller, et al., DRASTIC: A Standardized System for Evaluating Ground-Water Pollution Using Hydrogeologic Settings, EPA-600/2-87-035 (Ada, Oklahoma: EPA, April 1987), pp. 251, 252.

22. Mrs. Ray Taylor, Taylor Well Drilling, telephone conversation with Brant McCanless, NUS Corporation, March 12, 1990. Subject: Geology and groundwater levels in the Warrensville, North Carolina area.

23. U.S. Geological Survey, National Water Summary 1984: Hydrologic Events, Selected Water Quality Trends, and Ground-Water Resources, Water Supply Paper 2275 (1984), pp. 329-334.

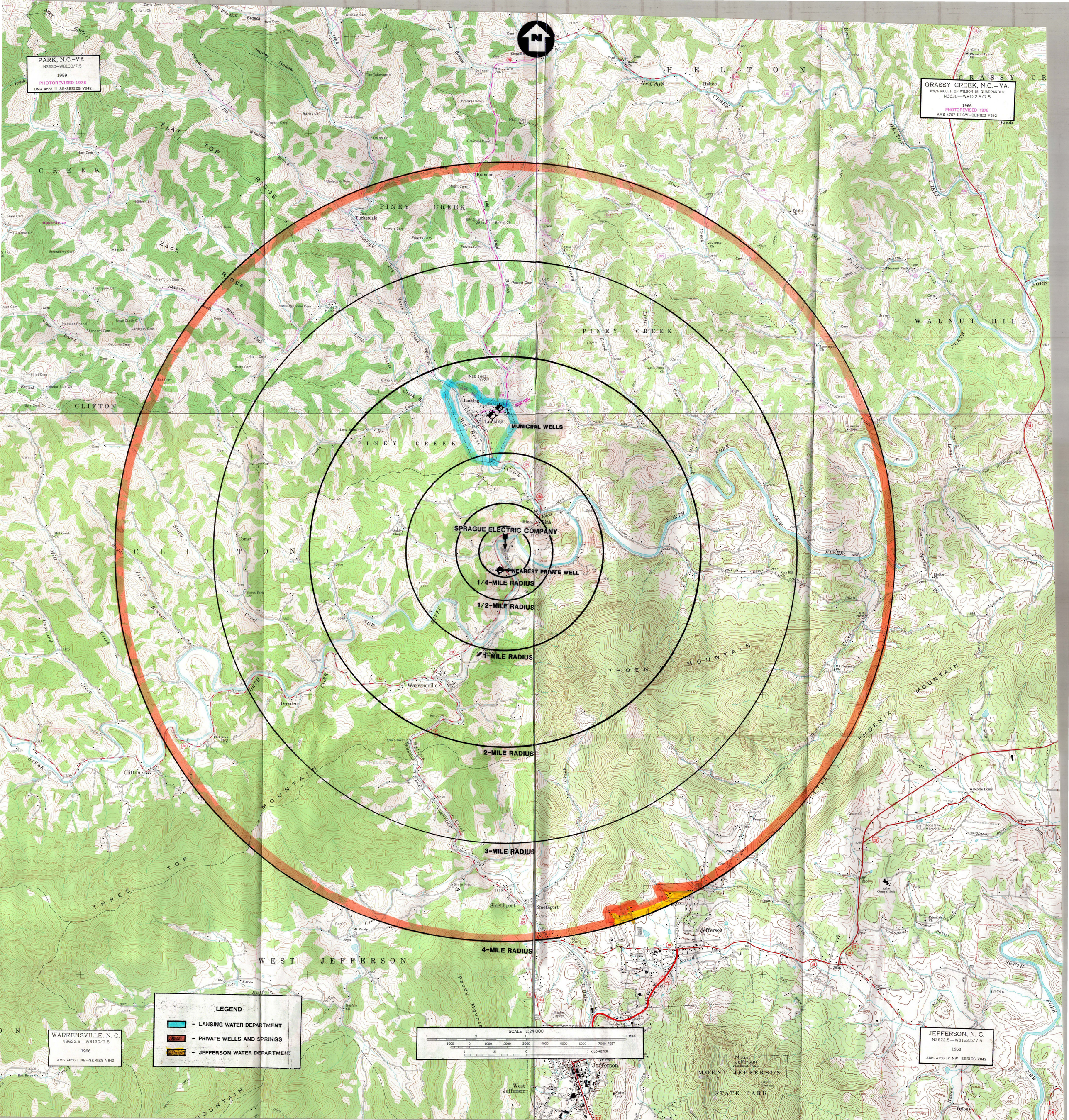
24. Charles C. Daniel, III and N. Bonar Sharpless, Ground-Water Supply Potential and Procedures for Well-Site Selection Upper Cape Fear River Basin, (North Carolina Department of Natural Resources and Community Development, Raleigh, North Carolina, October 1983), pp. 10, 12-15.

25. R. Allan Freeze and John A. Cherry, Groundwater (Englewood Cliffs, N.J.: Prentice-Hall, Inc., 1979), p. 29.

26. NUS Corporation Field Logbook No. F4-9998 for Sprague Electric Company, TDD No. F4-9001-132. Documentation of facility reconnaissance, February 12, 1990.

27. W.A. Anderson and W.E. Haupin, "Aluminum and Alloys," Kirk-Othmer Encyclopedia of Chemical Technology, 3rd ed., Vol. 2 (New York: John Wiley & Sons, 1978).

28. Harold J. Drake, "Mercury," Kirk-Othmer Encyclopedia of Chemical Technology, 3rd ed., Vol. 15 (New York: John Wiley & Sons, 1981).


PARK, N.C.-VA.
N3630—W8130/7.5
1959
PHOTOREVISED 1978
DMA 4657 II SE-SERIES V842
GRASSY CREEK, N.C.-VA.
SW/4 MOUTH OF WILSON 15' QUADRANGLE
N3630—W8122.5/7.5
1966
PHOTOREVISED 1978
AMS 4757 III SW-SERIES V842
WARRENSVILLE, N.C.
N3622.5—W8130/7.5
1966
AMS 4656 I NE-SERIES V842
JEFFERSON, N.C.
N3622.5—W8122.5/7.5
1968
AMS 4756 IV NW-SERIES V842
LEGEND
- LANSING WATER DEPARTMENT
- PRIVATE WELLS AND SPRINGS
- JEFFERSON WATER DEPARTMENT
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
MUNICIPAL WELLS
SPRAGUE ELECTRIC COMPANY
NEAREST PRIVATE WELL
1/4-MILE RADIUS
1/2-MILE RADIUS
1-MILE RADIUS
2-MILE RADIUS
3-MILE RADIUS
4-MILE RADIUS
Lansing
Brandon
Tuckerdale
Helton
Warrensville
Dresden
Clifton
Smethport
Jefferson
West Jefferson
Mount Jefferson
Mount Jefferson State Park
Phoenix Mountain
Three Top Mountain
Flat Top Ridge
Nach Ridge
Piney Creek
Little Piney Creek
Helton Creek
Grassy Creek
Walnut Hill
Clifton
West Jefferson
Paddy Mountain
Little Phoenix Mountain
Phoenix Mountain
New River
North Fork New River
Big Horse Creek
Long Branch
Buffalo Creek
Naked Creek
Little Naked Creek
Big Naked Creek
Silas Creek
Old Field Creek
Pleasant Valley
Trinity Ch
Liberty Ch
Bethel Ch
Weaver Cem
Powers Cem
Stuart Cem
Brooks Cem
Graybeal Cem
Union Ch
Waters Cem
Tucker Cem
The Tabernacle
Sullivan Cem
Graham Cem
Davis Cem
Pond Mountain Ch
Hurley Hollow
Dagwell Hollow
Big Windfall Branch
Hart Cem
Miller Cem
Clark Cem
Ham Cem
Gillespie Ch
Stansberry Cem
Hampton Cem
Thompson Cem
Sabbath Home Cem
Pleasant Chapel
Shepherd Cem
Landreth Cem
Osborne Cem
Elliot Cem
Mount Zion Ch
Barr Cem
Eldreth Cem
Gilley Cem
Long Branch Ch
Low Gap Ch
Mill Creek Ch
Comet
North Fork Ch
Flat Rock Ch
Oak Grove Ch
Buffalo Ch
Mt Paddy Ch
State Prison
Radio Tower
Ben Bolen Ch
Bristol Ch
Quarry
Ashe Central Sch
Friendship Ch
Shelter Ch
Oak Hill Ch
Mt Pleasant Ch
Welcome Home Ch
Ashelawn Memorial Gardens
Pleasant Home Ch
Landmark Ch
Groves Chapel
Little Piney Ch
Onion

APPENDIX B

INORGANIC DATA QUALIFIERS REPORT

Case Number: 15500
Project Number: 91-172
Site: Sprague Electric Co. Lansing, NC

Element	Flag	Samples Affected	Reasons
A. Water			
Be, Mn, Zn	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Mg, Na	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Se	J	All	Matrix spike recovery - 74.1%
As	J	MDY938, 942, 946, 948, and 952	Calibration curve r <.995
B. Soils			
Be, Mn, Zn	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Mg, K, Na	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Sb	J	All	Matrix spike recovery - 30.7%
Pb	J	All positives	Matrix spike recovery - 130.3%
Hg	J	All positives	Matrix spike recovery - 131.6%
Se	J	All	Matrix spike recovery - 55.3%
As	J	MDY951	Calibration curve r <.995

INORGANIC DATA QUALIFIERS REPORT

Case Number: 15500
Project Number: 91-172
Site: Sprague Electric Co. Lansing, NC

Element	Flag	Samples Affected	Reasons
A. Water			
Be, Mn, Zn	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Mg, Na	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Se	J	All	Matrix spike recovery = 74.1%
As	J	MDY938, 942, 946, 948, and 952	Calibration curve r <.995
B. Soils			
Be, Mn, Zn	U	All positives > IDL but < CRDL	Baseline instability
Al, Ba, Ca, Fe, Mg, K, Na	U	All positives > IDL but < 10x contaminant level	Positives in Blanks
Sb	J	All	Matrix spike recovery = 30.7%
Pb	J	All positives	Matrix spike recovery = 130.3%
Hg	J	All positives	Matrix spike recovery = 131.6%
Se	J	All	Matrix spike recovery = 55.3%
As	J	MDY951	Calibration curve r <.995

ORGANIC DATA QUALIFIER REPORT

Case Number 15500 Project Number 91-172 SAS Number

Site ID. Sprague Electric Co., Lansing, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
Volatiles			
all soil samples	2-butanone	R	low response factor
DY945	all positives	J	<quantitation limit
Extractables			
all soil samples	1,2,4-trichlorobenzene	J	low recovery blind spike
all water samples	pentachlorophenol	R	unacceptable recovery blind spike
	di-n-butylphthalate	J	low recovery blind spike
DY939,941,944	all positives	J	<quantitation limit
DY940	all positives except fluoranthene	J	<quantitation limit
DY945	all positives except bis(2-ethylhexyl)phthalate	J	<quantitation limit
Pesticides			
none			

ORGANIC DATA QUALIFIER REPORT

Case Number 15500 Project Number 91-172 SAS Number

Site ID. Sprague Electric Co., Lansing, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
Volatiles			
all soil samples	2-butanone	R	low response factor
DY945	all positives	J	<quantitation limit
Extractables			
all soil samples	1,2,4-trichlorobenzene	J	low recovery blind spike
all water samples	pentachlorophenol	R	unacceptable recovery blind spike
	di-n-butylphthalate	J	low recovery blind spike
DY939,941,944	all positives	J	<quantitation limit
DY940	all positives except fluoranthene	J	<quantitation limit
DY945	all positives except bis(2-ethylhexyl)phthalate	J	<quantitation limit
Pesticides			
none			

ORGANIC DATA QUALIFIER REPORT

Case Number 15500 Project Number 91-172 SAS Number

Site ID. Sprague Electric Co., Lansing, NC.

Affected Samples	Compound or Fraction	Flag Used	Reason
Volatiles			
all soil samples	2-butanone	R	low response factor
DY945	all positives	J	<quantitation limit
Extractables			
all soil samples	1,2,4-trichlorobenzene	J	low recovery blind spike
all water samples	pentachlorophenol	R	unacceptable recovery blind spike
	di-n-butylphthalate	J	low recovery blind spike
DY939,941,944	all positives	J	<quantitation limit
DY940	all positives except fluoranthene	J	<quantitation limit
DY945	all positives except bis(2-ethylhexyl)phthalate	J	<quantitation limit
Pesticides			
none			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

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

DATE: 02/12/91

SUBJECT: Results of Metals Analysis;
91-172 SPRAGUE ELECTRIC CO
LANSING NC
CASE NO: 15500

FROM: Robert W. Knight S.K. Barnett / for
Chief, Laboratory Evaluation/Quality Assurance Section

TO: PHIL BLACKWELL

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

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

FEB 19 1991

NUS CORPORATION
REGION IV
SENT TO_____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

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

DATE: 02/12/91

SUBJECT: Results of Specified Analysis;
91-172 SPRAGUE ELECTRIC CO
LANSING NC
CASE NO: 15500

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

TO: PHIL BLACKWELL

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

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

FEB 19 1991

NUS CORPORATION
REGION IV
SENT TO_____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

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

DATE: 02/12/91

SUBJECT: Results of Extractable Organic Analysis;
91-172 SPRAGUE ELECTRIC CO
LANSING NC
CASE NO: 15500

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.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

FEB 19 1991

NUS CORPORATION
REGION IV
SENT TO_____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

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

DATE: 02/12/91

SUBJECT: Results of Pesticide/PCB Analysis;
91-172 SPRAGUE ELECTRIC CO
LANSING NC
CASE NO: 15500

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.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

RECEIVED

FEB 19 1991

NUS CORPORATION
REGION IV
SENT TO_____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV
Environmental Services Division
College Station Road, Athens, Ga. 30613

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

DATE: 02/12/91

SUBJECT: Results of Purgeable Organic Analysis;
91-172 SPRAGUE ELECTRIC CO
LANSING NC
CASE NO: 15500

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.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

9010-25
E. Corbin

RECEIVED
FEB 19 1991
MUS CORPORATION
REGION IV
SENT TO_____

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53341 SAMPLE TYPE:
SOURCE:
STATION ID: SW-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1200 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y938

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

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53342 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SW-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1325 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y942

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53343 SAMPLE TYPE:
SOURCE:
STATION ID: SW-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1415 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y946

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53344 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-04 COLLECTION START: 12/12/90 1030 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y948

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53345 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SW-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1000 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y949

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 54171 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: TB-01W

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/91 0725 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.:

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
10 U	CHLOROMETHANE	5 U	1,2-DICHLOROPROPANE
10 U	BROMOMETHANE	5 U	CIS-1,3-DICHLOROPROPENE
10 U	VINYL CHLORIDE	5 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
10 U	CHLOROETHANE	5 U	DIBROMOCHLOROMETHANE
20U	METHYLENE CHLORIDE	5 U	1,1,2-TRICHLOROETHANE
20U	ACETONE	5 U	BENZENE
5 U	CARBON DISULFIDE	5 U	TRANS-1,3-DICHLOROPROPENE
5 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	5 U	BROMOFORM
5 U	1,1-DICHLOROETHANE	10 U	METHYL ISOBUTYL KETONE
5 U	1,2-DICHLOROETHENE (TOTAL)	10 U	METHYL BUTYL KETONE
5 U	CHLOROFORM	5 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
5 U	1,2-DICHLOROETHANE	5 U	1,1,2,2-TETRACHLOROETHANE
10 U	METHYL ETHYL KETONE	5U	TOLUENE
5 U	1,1,1-TRICHLOROETHANE	5 U	CHLOROBENZENE
5 U	CARBON TETRACHLORIDE	5 U	ETHYL BENZENE
10 U	VINYL ACETATE	5 U	STYRENE
5 U	BROMODICHLOROMETHANE	5 U	TOTAL XYLENES

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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53341 SAMPLE TYPE:
SOURCE:
STATION ID: SW-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1200 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y938

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

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

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53342 SAMPLE TYPE: SURFACEWA
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SW-02
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1325 STOP: 00/00/00

D. NO.: Y942

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

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

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53343 SAMPLE TYPE:
SOURCE:
STATION ID: SW-03

CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1415 STOP: 00/00/00

D. NO.: Y946

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

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

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53344 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SW-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1030 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y948

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

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

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53345 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
** SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
** STATION ID: SW-05 COLLECTION START: 12/12/90 1000 STOP: 00/00/00
**
** CASE NO.: 15500 SAS NO.: D. NO.: Y949

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53341   SAMPLE TYPE: PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: CITY: LANSING   ST: NC
STATION ID: SW-01   COLLECTION START: 12/11/90 1200   STOP: 00/00/00
CASE NUMBER: 15500   SAS NUMBER: D. NUMBER: Y938

UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC
0.05U	BETA-BHC
0.05U	DELTA-BHC
0.05U	GAMMA-BHC (LINDANE)
0.05U	HEPTACHLOR
0.05U	ALDRIN
0.05U	HEPTACHLOR EPOXIDE
0.05U	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)

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53342 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SW-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1325 STOP: 00/00/00
D. NUMBER: Y942

UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC
0.05U	BETA-BHC
0.05U	DELTA-BHC
0.05U	GAMMA-BHC (LINDANE)
0.05U	HEPTACHLOR
0.05U	ALDRIN
0.05U	HEPTACHLOR EPOXIDE
0.05U	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)

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53343 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: CITY: LANSING ST: NC
STATION ID: SW-03 COLLECTION START: 12/11/90 1415 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: D. NUMBER: Y946

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC	0.50U	METHOXYCHLOR
0.05U	BETA-BHC	0.10U	ENDRIN KETONE
0.05U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
0.05U	GAMMA-BHC (LINDANE)	0.50U	GAMMA-CHLORDANE /2
0.05U	HEPTACHLOR	0.50U	ALPHA-CHLORDANE /2
0.05U	ALDRIN	1.0U	TOXAPHENE
0.05U	HEPTACHLOR EPOXIDE	0.50U	PCB-1016 (AROCLOR 1016)
0.05U	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)		

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53344   SAMPLE TYPE: SURFACEWA   PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO   CITY: LANSING   ST: NC
STATION ID: SW-04   COLLECTION START: 12/12/90 1030   STOP: 00/00/00
CASE NUMBER: 15500   SAS NUMBER: D. NUMBER: Y948

UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC
0.05U	BETA-BHC
0.05U	DELTA-BHC
0.05U	GAMMA-BHC (LINDANE)
0.05U	HEPTACHLOR
0.05U	ALDRIN
0.05U	HEPTACHLOR EPOXIDE
0.05U	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)

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53345 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-05 COLLECTION START: 12/12/90 1000 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: D. NUMBER: Y949

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC	0.50U	METHOXYCHLOR
0.05U	BETA-BHC	0.10U	ENDRIN KETONE
0.05U	DELTA-BHC	.	CHLORDANE (TECH. MIXTURE) /1
0.05U	GAMMA-BHC (LINDANE)	0.50U	GAMMA-CHLORDANE /2
0.05U	HEPTACHLOR	0.50U	ALPHA-CHLORDANE /2
0.05U	ALDRIN	1.0U	TOXAPHENE
0.05U	HEPTACHLOR EPOXIDE	0.50U	PCB-1016 (AROCLOR 1016)
0.05U	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)		

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

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 54171 SAMPLE TYPE: SURFACEWA
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: TB-01W
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/91 0725 STOP: 00/00/00
D. NUMBER:

UG/L	ANALYTICAL RESULTS
0.05U	ALPHA-BHC
0.05U	BETA-BHC
0.05U	DELTA-BHC
0.05U	GAMMA-BHC (LINDANE)
0.05U	HEPTACHLOR
0.05U	ALDRIN
0.05U	HEPTACHLOR EPOXIDE
0.05U	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)

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

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53334 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SB-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1130 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y937

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

UG/KG	ANALYTICAL RESULTS
6 U	1,2-DICHLOROPROPANE
6 U	CIS-1,3-DICHLOROPROPENE
6 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
6 U	DIBROMOCHLOROMETHANE
6 U	1,1,2-TRICHLOROETHANE
6 U	BENZENE
6 U	TRANS-1,3-DICHLOROPROPENE
6 U	BROMOFORM
12 U	METHYL ISOBUTYL KETONE
12 U	METHYL BUTYL KETONE
6 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6 U	1,1,2,2-TETRACHLOROETHANE
6U	TOLUENE
6 U	CHLOROBENZENE
6 U	ETHYL BENZENE
6 U	STYRENE
6 U	TOTAL XYLENES
18	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53334 SAMPLE TYPE: SOIL
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SB-01
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1130 STOP: 00/00/00

D. NO.: Y937

UG/KG	ANALYTICAL RESULTS
810 U	PHENOL
810 U	BIS(2-CHLOROETHYL) ETHER
810 U	2-CHLOROPHENOL
810 U	1,3-DICHLOROBENZENE
810 U	1,4-DICHLOROBENZENE
810 U	BENZYL ALCOHOL
810 U	1,2-DICHLOROBENZENE
810 U	2-METHYLPHENOL
810 U	BIS(2-CHLOROISOPROPYL) ETHER
810 U	(3-AND/OR 4-)METHYLPHENOL
810 U	N-NITROSODI-N-PROPYLAMINE
810 U	HEXACHLOROETHANE
810 U	NITROBENZENE
810 U	ISOPHORONE
810 U	2-NITROPHENOL
810 U	2,4-DIMETHYLPHENOL
3900 U	BENZOIC ACID
810 U	BIS(2-CHLOROETHOXY) METHANE
810 U	2,4-DICHLOROPHENOL
810UJ	1,2,4-TRICHLOROBENZENE
810 U	NAPHTHALENE
810 U	4-CHLOROANILINE
810 U	HEXACHLOROBUTADIENE
810 U	4-CHLORO-3-METHYLPHENOL
810 U	2-METHYLNAPHTHALENE
810 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
810 U	2,4,6-TRICHLOROPHENOL
3900 U	2,4,5 TRICHLOROPHENOL
810 U	2-CHLORONAPHTHALENE
3900 U	2-NITROANILINE
810 U	DIMETHYL PHTHALATE
810 U	ACENAPHTHYLENE
810 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900 U	3-NITROANILINE
810 U	ACENAPHTHENE
3900 U	2,4-DINITROPHENOL
3900 U	4-NITROPHENOL
810 U	DIBENZOFURAN
810 U	2,4-DINITROTOLUENE
810 U	DIETHYL PHTHALATE
810 U	4-CHLOROPHENYL PHENYL ETHER
810 U	FLUORENE
3900 U	4-NITROANILINE
3900 U	2-METHYL-4,6-DINITROPHENOL
810 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
810 U	4-BROMOPHENYL PHENYL ETHER
810 U	HEXACHLOROBENZENE (HCB)
3900 U	PENTACHLOROPHENOL
810 U	PHENANTHRENE
810 U	ANTHRACENE
810 U	DI-N-BUTYLPHTHALATE
810 U	FLUORANTHENE
810 U	PYRENE
810 U	BENZYL BUTYL PHTHALATE
1600 U	3,3'-DICHLOROBENZIDINE
810 U	BENZO(A)ANTHRACENE
810 U	CHRYSENE
810 U	BIS(2-ETHYLHEXYL) PHTHALATE
810 U	DI-N-OCTYLPHTHALATE
810 U	BENZO(B AND/OR K)FLUORANTHENE
810 U	BENZO-A-PYRENE
810 U	INDENO (1,2,3-CD) PYRENE
810 U	DIBENZO(A,H)ANTHRACENE
810 U	BENZO(GHI)PERYLENE
18	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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53334 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SB-01
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1130 STOP: 00/00/00
D. NUMBER: Y937

UG/KG	ANALYTICAL RESULTS
9.9U	ALPHA-BHC
9.9U	BETA-BHC
9.9U	DELTA-BHC
9.9U	GAMMA-BHC (LINDANE)
9.9U	HEPTACHLOR
9.9U	ALDRIN
9.9U	HEPTACHLOR EPOXIDE
9.9U	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
99 U	METHOXYCHLOR
20 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
99 U	GAMMA-CHLORDANE /2
99 U	ALPHA-CHLORDANE /2
200 U	TOXAPHENE
99 U	PCB-1016 (AROCLOR 1016)
99 U	PCB-1221 (AROCLOR 1221)
99 U	PCB-1232 (AROCLOR 1232)
99 U	PCB-1242 (AROCLOR 1242)
99 U	PCB-1248 (AROCLOR 1248)
200 U	PCB-1254 (AROCLOR 1254)
200 U	PCB-1260 (AROCLOR 1260)
18	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53335 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SB-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1310 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y941

UG/KG	ANALYTICAL RESULTS
11 U	CHLOROMETHANE
11 U	BROMOMETHANE
11 U	VINYL CHLORIDE
11 U	CHLOROETHANE
8U	METHYLENE CHLORIDE
11 U	ACETONE
6 U	CARBON DISULFIDE
6 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
6 U	1,1-DICHLOROETHANE
6 U	1,2-DICHLOROETHENE (TOTAL)
6 U	CHLOROFORM
6 U	1,2-DICHLOROETHANE
11UR	METHYL ETHYL KETONE
6 U	1,1,1-TRICHLOROETHANE
6 U	CARBON TETRACHLORIDE
11 U	VINYL ACETATE
6 U	BROMODICHLOROMETHANE

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

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53335 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SB-02 COLLECTION START: 12/11/90 1310 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y941

UG/KG	ANALYTICAL RESULTS
750 U	PHENOL
750 U	BIS(2-CHLOROETHYL) ETHER
750 U	2-CHLOROPHENOL
750 U	1,3-DICHLOROBENZENE
750 U	1,4-DICHLOROBENZENE
750 U	BENZYL ALCOHOL
750 U	1,2-DICHLOROBENZENE
750 U	2-METHYLPHENOL
750 U	BIS(2-CHLOROISOPROPYL) ETHER
750 U	(3-AND/OR 4-)METHYLPHENOL
750 U	N-NITROSODI-N-PROPYLAMINE
750 U	HEXACHLOROETHANE
750 U	NITROBENZENE
750 U	ISOPHORONE
750 U	2-NITROPHENOL
750 U	2,4-DIMETHYLPHENOL
3700 U	BENZOIC ACID
750 U	BIS(2-CHLOROETHOXY) METHANE
750 U	2,4-DICHLOROPHENOL
750UJ	1,2,4-TRICHLOROBENZENE
750 U	NAPHTHALENE
750 U	4-CHLOROANILINE
750 U	HEXACHLOROBUTADIENE
750 U	4-CHLORO-3-METHYLPHENOL
750 U	2-METHYLNAPHTHALENE
750 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
750 U	2,4,6-TRICHLOROPHENOL
3700 U	2,4,5 TRICHLOROPHENOL
750 U	2-CHLORONAPHTHALENE
3700 U	2-NITROANILINE
750 U	DIMETHYL PHTHALATE
750 U	ACENAPHTHYLENE
750 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3700 U	3-NITROANILINE
750 U	ACENAPHTHENE
3700 U	2,4-DINITROPHENOL
3700 U	4-NITROPHENOL
750 U	DIBENZOFURAN
750 U	2,4-DINITROTOLUENE
750 U	DIETHYL PHTHALATE
750 U	4-CHLOROPHENYL PHENYL ETHER
750 U	FLUORENE
3700 U	4-NITROANILINE
3700 U	2-METHYL-4,6-DINITROPHENOL
750 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
750 U	4-BROMOPHENYL PHENYL ETHER
750 U	HEXACHLOROBENZENE (HCB)
3700 U	PENTACHLOROPHENOL
110 J	PHENANTHRENE
750 U	ANTHRACENE
750 U	DI-N-BUTYLPHTHALATE
91 J	FLUORANTHENE
750 U	PYRENE
750 U	BENZYL BUTYL PHTHALATE
1500 U	3,3'-DICHLOROBENZIDINE
750 U	BENZO(A)ANTHRACENE
750 U	CHRYSENE
750 U	BIS(2-ETHYLHEXYL) PHTHALATE
750 U	DI-N-OCTYLPHTHALATE
750 U	BENZO(B AND/OR K)FLUORANTHENE
750 U	BENZO-A-PYRENE
750 U	INDENO (1,2,3-CD) PYRENE
750 U	DIBENZO(A,H)ANTHRACENE
750 U	BENZO(GHI)PERYLENE
13	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53335 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SB-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1310 STOP: 00/00/00
D. NUMBER: Y941

UG/KG	ANALYTICAL RESULTS
9.1U	ALPHA-BHC
9.1U	BETA-BHC
9.1U	DELTA-BHC
9.1U	GAMMA-BHC (LINDANE)
9.1U	HEPTACHLOR
9.1U	ALDRIN
9.1U	HEPTACHLOR EPOXIDE
9.1U	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
91 U	METHOXYCHLOR
18 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
91 U	GAMMA-CHLORDANE /2
91 U	ALPHA-CHLORDANE /2
180 U	TOXAPHENE
91 U	PCB-1016 (AROCLOR 1016)
91 U	PCB-1221 (AROCLOR 1221)
91 U	PCB-1232 (AROCLOR 1232)
91 U	PCB-1242 (AROCLOR 1242)
91 U	PCB-1248 (AROCLOR 1248)
180 U	PCB-1254 (AROCLOR 1254)
180 U	PCB 1260 (AROCLOR 1260)
13	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.
*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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53330 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1115 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y936

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
13 U	CHLOROMETHANE	7 U	1,2-DICHLOROPROPANE
13 U	BROMOMETHANE	7 U	CIS-1,3-DICHLOROPROPENE
13 U	VINYL CHLORIDE	7 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
13 U	CHLOROETHANE	7 U	DIBROMOCHLOROMETHANE
7 U	METHYLENE CHLORIDE	7 U	1,1,2-TRICHLOROETHANE
13 U	ACETONE	7 U	BENZENE
7 U	CARBON DISULFIDE	7 U	TRANS-1,3-DICHLOROPROPENE
7 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	7 U	BROMOFORM
7 U	1,1-DICHLOROETHANE	13 U	METHYL ISOBUTYL KETONE
7 U	1,2-DICHLOROETHENE (TOTAL)	13 U	METHYL BUTYL KETONE
7 U	CHLOROFORM	7 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7 U	1,2-DICHLOROETHANE	7 U	1,1,2,2-TETRACHLOROETHANE
13UR	METHYL ETHYL KETONE	7 U	TOLUENE
7 U	1,1,1-TRICHLOROETHANE	7 U	CHLOROBENZENE
7 U	CARBON TETRACHLORIDE	7 U	ETHYL BENZENE
13 U	VINYL ACETATE	7 U	STYRENE
7 U	BROMODICHLOROMETHANE	7 U	TOTAL XYLENES
		26	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53330 SAMPLE TYPE: SOIL
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SS-01
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1115 STOP: 00/00/00

D. NO.: Y936

UG/KG		ANALYTICAL RESULTS
890	U	PHENOL
890	U	BIS(2-CHLOROETHYL) ETHER
890	U	2-CHLOROPHENOL
890	U	1,3-DICHLOROBENZENE
890	U	1,4-DICHLOROBENZENE
890	U	BENZYL ALCOHOL
890	U	1,2-DICHLOROBENZENE
890	U	2-METHYLPHENOL
890	U	BIS(2-CHLOROISOPROPYL) ETHER
890	U	(3-AND/OR 4-)METHYLPHENOL
890	U	N-NITROSODI-N-PROPYLAMINE
890	U	HEXACHLOROETHANE
890	U	NITROBENZENE
890	U	ISOPHORONE
890	U	2-NITROPHENOL
890	U	2,4-DIMETHYLPHENOL
4300	U	BENZOIC ACID
890	U	BIS(2-CHLOROETHOXY) METHANE
890	U	2,4-DICHLOROPHENOL
890	UJ	1,2,4-TRICHLOROBENZENE
890	U	NAPHTHALENE
890	U	4-CHLOROANILINE
890	U	HEXACHLOROBUTADIENE
890	U	4-CHLORO-3-METHYLPHENOL
890	U	2-METHYLNAPHTHALENE
890	U	HEXACHLOROCYCLOPENTADIENE (HCCP)
890	U	2,4,6-TRICHLOROPHENOL
4300	U	2,4,5 TRICHLOROPHENOL
890	U	2-CHLORONAPHTHALENE
4300	U	2-NITROANILINE
890	U	DIMETHYL PHTHALATE
890	U	ACENAPHTHYLENE
890	U	2,6-DINITROTOLUENE

UG/KG		ANALYTICAL RESULTS
4300	U	3-NITROANILINE
890	U	ACENAPHTHENE
4300	U	2,4-DINITROPHENOL
4300	U	4-NITROPHENOL
890	U	DIBENZOFURAN
890	U	2,4-DINITROTOLUENE
890	U	DIETHYL PHTHALATE
890	U	4-CHLOROPHENYL PHENYL ETHER
890	U	FLUORENE
4300	U	4-NITROANILINE
4300	U	2-METHYL-4,6-DINITROPHENOL
890	U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
890	U	4-BROMOPHENYL PHENYL ETHER
890	U	HEXACHLOROBENZENE (HCB)
4300	U	PENTACHLOROPHENOL
890	U	PHENANTHRENE
890	U	ANTHRACENE
890	U	DI-N-BUTYLPHTHALATE
890	U	FLUORANTHENE
890	U	PYRENE
890	U	BENZYL BUTYL PHTHALATE
1800	U	3,3'-DICHLOROBENZIDINE
890	U	BENZO(A)ANTHRACENE
890	U	CHRYSENE
890	U	BIS(2-ETHYLHEXYL) PHTHALATE
890	U	DI-N-OCTYLPHTHALATE
890	U	BENZO(B AND/OR K)FLUORANTHENE
890	U	BENZO A-PYRENE
890	U	INDENO (1,2,3-CD) PYRENE
890	U	DIBENZO(A,H)ANTHRACENE
890	U	BENZO(GHI)PERYLENE
26		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.

02/11/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

```
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
**   PROJECT NO. 91-172    SAMPLE NO. 53330  SAMPLE TYPE: SOIL        PROG ELEM: NSF   COLLECTED BY: E CORBIN               **
**   SOURCE: SPRAGUE ELECTRIC CO                                      CITY: LANSING               ST: NC                    **
**   STATION ID: SS-01                                                COLLECTION START: 12/11/90  1115   STOP: 00/00/00     **
**   CASE.NO.: 15500          SAS NO.:                                D. NO.: Y936                MD NO: Y936               **
**                                                                                                                          **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
```

ANALYTICAL RESULTS UG/KG

7000J   5 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.

PESTICIDES/PCB'S DATA REPORT 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53330 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-01
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1115 STOP: 00/00/00
D. NUMBER: Y936

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
110 U	METHOXYCHLOR
22 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
110 U	GAMMA-CHLORDANE /2
110 U	ALPHA-CHLORDANE /2
220 U	TOXAPHENE
110 U	PCB-1016 (AROCLOR 1016)
110 U	PCB-1221 (AROCLOR 1221)
110 U	PCB-1232 (AROCLOR 1232)
110 U	PCB-1242 (AROCLOR 1242)
110 U	PCB-1248 (AROCLOR 1248)
220 U	PCB-1254 (AROCLOR 1254)
220 U	PCB-1260 (AROCLOR 1260)
26	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1305 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y940

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
12 U	CHLOROMETHANE	6 U	1,2-DICHLOROPROPANE
12 U	BROMOMETHANE	6 U	CIS-1,3-DICHLOROPROPENE
12 U	VINYL CHLORIDE	6 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
12 U	CHLOROETHANE	6 U	DIBROMOCHLOROMETHANE
9U	METHYLENE CHLORIDE	6 U	1,1,2-TRICHLOROETHANE
12 U	ACETONE	6 U	BENZENE
6 U	CARBON DISULFIDE	6 U	TRANS-1,3-DICHLOROPROPENE
6 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	6 U	BROMOFORM
6 U	1,1-DICHLOROETHANE	12 U	METHYL ISOBUTYL KETONE
6 U	1,2-DICHLOROETHENE (TOTAL)	12 U	METHYL BUTYL KETONE
6 U	CHLOROFORM	6 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6 U	1,2-DICHLOROETHANE	6 U	1,1,2,2-TETRACHLOROETHANE
12UR	METHYL ETHYL KETONE	6 U	TOLUENE
6 U	1,1,1-TRICHLOROETHANE	6 U	CHLOROBENZENE
6 U	CARBON TETRACHLORIDE	6 U	ETHYL BENZENE
12 U	VINYL ACETATE	6 U	STYRENE
6 U	BROMODICHLOROMETHANE	6 U	TOTAL XYLENES
		18	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.
02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-02
PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1305 STOP: 00/00/00
CASE NO.: 15500 SAS NO.: D. NO.: Y940

UG/KG	ANALYTICAL RESULTS
800 U	PHENOL
800 U	BIS(2-CHLOROETHYL) ETHER
800 U	2-CHLOROPHENOL
800 U	1,3-DICHLOROBENZENE
800 U	1,4-DICHLOROBENZENE
800 U	BENZYL ALCOHOL
800 U	1,2-DICHLOROBENZENE
800 U	2-METHYLPHENOL
800 U	BIS(2-CHLOROISOPROPYL) ETHER
800 U	(3-AND/OR 4-)METHYLPHENOL
800 U	N-NITROSODI-N-PROPYLAMINE
800 U	HEXACHLOROETHANE
800 U	NITROBENZENE
800 U	ISOPHORONE
800 U	2-NITROPHENOL
800 U	2,4-DIMETHYLPHENOL
3900 U	BENZOIC ACID
800 U	BIS(2-CHLOROETHOXY) METHANE
800 U	2,4-DICHLOROPHENOL
800UJ	1,2,4-TRICHLOROBENZENE
800 U	NAPHTHALENE
800 U	4-CHLOROANILINE
800 U	HEXACHLOROBUTADIENE
800 U	4-CHLORO-3-METHYLPHENOL
800 U	2-METHYLNAPHTHALENE
800 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
800 U	2,4,6-TRICHLOROPHENOL
3900 U	2,4,5-TRICHLOROPHENOL
800 U	2-CHLORONAPHTHALENE
3900 U	2-NITROANILINE
800 U	DIMETHYL PHTHALATE
800 U	ACENAPHTHYLENE
800 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900 U	3-NITROANILINE
81 J	ACENAPHTHENE
3900 U	2,4-DINITROPHENOL
3900 U	4-NITROPHENOL
800 U	DIBENZOFURAN
800 U	2,4-DINITROTOLUENE
800 U	DIETHYL PHTHALATE
800 U	4-CHLOROPHENYL PHENYL ETHER
86 J	FLUORENE
3900 U	4-NITROANILINE
3900 U	2-METHYL-4,6-DINITROPHENOL
800 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
800 U	4-BROMOPHENYL PHENYL ETHER
800 U	HEXACHLOROBENZENE (HCB)
3900 U	PENTACHLOROPHENOL
780 J	PHENANTHRENE
190 J	ANTHRACENE
800 U	DI-N-BUTYLPHTHALATE
910	FLUORANTHENE
480 J	PYRENE
800 U	BENZYL BUTYL PHTHALATE
1600 U	3,3'-DICHLOROBENZIDINE
800 U	BENZO(A)ANTHRACENE
310 J	CHRYSENE
800U	BIS(2-ETHYLHEXYL) PHTHALATE
800 U	DI-N-OCTYLPHTHALATE
420J	BENZO(B AND/OR K)FLUORANTHENE
430J	BENZO A PYRENE
210J	INDENO (1,2,3-CD) PYRENE
800U	DIBENZO(A,H)ANTHRACENE
230 J	BENZO(GHI)PERYLENE
18	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.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SS-02 COLLECTION START: 12/11/90 1305 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y940 MD NO: Y940

ANALYTICAL RESULTS UG/KG

500JN	BENZACEPHENANTHRYLENE
800J	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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1305 STOP: 00/00/00
D. NUMBER: Y940

UG/KG	ANALYTICAL RESULTS
9.7U	ALPHA-BHC
9.7U	BETA-BHC
9.7U	DELTA-BHC
9.7U	GAMMA-BHC (LINDANE)
9.7U	HEPTACHLOR
9.7U	ALDRIN
9.7U	HEPTACHLOR EPOXIDE
9.7U	ENDOSULFAN I (ALPHA)
19 U	DIELDRIN
51	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
97 U	METHOXYCHLOR
36U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
97 U	GAMMA-CHLORDANE /2
97 U	ALPHA-CHLORDANE /2
190 U	TOXAPHENE
97 U	PCB-1016 (AROCLOR 1016)
97 U	PCB-1221 (AROCLOR 1221)
97 U	PCB-1232 (AROCLOR 1232)
97 U	PCB-1242 (AROCLOR 1242)
97 U	PCB-1248 (AROCLOR 1248)
190 U	PCB-1254 (AROCLOR 1254)
190 U	PCB-1260 (AROCLOR 1260)
18	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1405 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y944

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
13 U	CHLOROMETHANE	6 U	1,2-DICHLOROPROPANE
13 U	BROMOMETHANE	6 U	CIS-1,3-DICHLOROPROPENE
13 U	VINYL CHLORIDE	6 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
13 U	CHLOROETHANE	6 U	DIBROMOCHLOROMETHANE
9U	METHYLENE CHLORIDE	6 U	1,1,2-TRICHLOROETHANE
13 U	ACETONE	6 U	BENZENE
6 U	CARBON DISULFIDE	6 U	TRANS-1,3-DICHLOROPROPENE
6 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	6 U	BROMOFORM
6 U	1,1-DICHLOROETHANE	13 U	METHYL ISOBUTYL KETONE
6 U	1,2-DICHLOROETHENE (TOTAL)	13 U	METHYL BUTYL KETONE
6 U	CHLOROFORM	6 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6 U	1,2-DICHLOROETHANE	6 U	1,1,2,2-TETRACHLOROETHANE
13UR	METHYL ETHYL KETONE	6 U	TOLUENE
6 U	1,1,1-TRICHLOROETHANE	6 U	CHLOROBENZENE
6 U	CARBON TETRACHLORIDE	6 U	ETHYL BENZENE
13 U	VINYL ACETATE	6 U	STYRENE
6 U	BROMODICHLOROMETHANE	6 U	TOTAL XYLENES
		22	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SS-03
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1405 STOP: 00/00/00

D. NO.: Y944

UG/KG		ANALYTICAL RESULTS
850	U	PHENOL
850	U	BIS(2-CHLOROETHYL) ETHER
850	U	2-CHLOROPHENOL
850	U	1,3-DICHLOROBENZENE
850	U	1,4-DICHLOROBENZENE
850	U	BENZYL ALCOHOL
850	U	1,2-DICHLOROBENZENE
850	U	2-METHYLPHENOL
850	U	BIS(2-CHLOROISOPROPYL) ETHER
850	U	(3-AND/OR 4-)METHYLPHENOL
850	U	N-NITROSODI-N-PROPYLAMINE
850	U	HEXACHLOROETHANE
850	U	NITROBENZENE
850	U	ISOPHORONE
850	U	2-NITROPHENOL
850	U	2,4-DIMETHYLPHENOL
4100	U	BENZOIC ACID
850	U	BIS(2-CHLOROETHOXY) METHANE
850	U	2,4-DICHLOROPHENOL
850	UJ	1,2,4-TRICHLOROBENZENE
850	U	NAPHTHALENE
850	U	4-CHLOROANILINE
850	U	HEXACHLOROBUTADIENE
850	U	4-CHLORO-3-METHYLPHENOL
850	U	2-METHYLNAPHTHALENE
850	U	HEXACHLOROCYCLOPENTADIENE (HCCP)
850	U	2,4,6-TRICHLOROPHENOL
4100	U	2,4,5 TRICHLOROPHENOL
850	U	2-CHLORONAPHTHALENE
4100	U	2-NITROANILINE
850	U	DIMETHYL PHTHALATE
850	U	ACENAPHTHYLENE
850	U	2,6-DINITROTOLUENE

UG/KG		ANALYTICAL RESULTS
4100	U	3-NITROANILINE
850	U	ACENAPHTHENE
4100	U	2,4-DINITROPHENOL
4100	U	4-NITROPHENOL
850	U	DIBENZOFURAN
850	U	2,4-DINITROTOLUENE
850	U	DIETHYL PHTHALATE
850	U	4-CHLOROPHENYL PHENYL ETHER
850	U	FLUORENE
4100	U	4-NITROANILINE
4100	U	2-METHYL-4,6-DINITROPHENOL
850	U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
850	U	4 BROMOPHENYL PHENYL ETHER
850	U	HEXACHLOROBENZENE (HCB)
4100	U	PENTACHLOROPHENOL
130	J	PHENANTHRENE
850	U	ANTHRACENE
850	U	DI-N-BUTYLPHTHALATE
160	J	FLUORANTHENE
850	U	PYRENE
850	U	BENZYL BUTYL PHTHALATE
1700	U	3,3'-DICHLOROBENZIDINE
850	U	BENZO(A)ANTHRACENE
850	U	CHRYSENE
850	U	BIS(2-ETHYLHEXYL) PHTHALATE
850	U	DI-N-OCTYLPHTHALATE
850	U	BENZO(B AND/OR K)FLUORANTHENE
850	U	BENZO A PYRENE
850	U	INDENO (1,2,3-CD) PYRENE
850	U	DIBENZO(A,H)ANTHRACENE
850	U	BENZO(GHI)PERYLENE
22		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.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SS-03 COLLECTION START: 12/11/90 1405 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y944 MD NO: Y944

ANALYTICAL RESULTS UG/KG

3000J 3 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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-03
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1405 STOP: 00/00/00
D. NUMBER: Y944

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
100 U	METHOXYCHLOR
21 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
100 U	GAMMA-CHLORDANE /2
100 U	ALPHA-CHLORDANE /2
210 U	TOXAPHENE
100 U	PCB-1016 (AROCLOR 1016)
100 U	PCB-1221 (AROCLOR 1221)
100 U	PCB-1232 (AROCLOR 1232)
100 U	PCB-1242 (AROCLOR 1242)
100 U	PCB-1248 (AROCLOR 1248)
210 U	PCB-1254 (AROCLOR 1254)
210 U	PCB-1260 (AROCLOR 1260)
22	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 . SAMPLE NO. 53333 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 0950 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y947

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
12 U	CHLOROMETHANE	6 U	1,2-DICHLOROPROPANE
12 U	BROMOMETHANE	6 U	CIS-1,3-DICHLOROPROPENE
12 U	VINYL CHLORIDE	6 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
12 U	CHLOROETHANE	6 U	DIBROMOCHLOROMETHANE
6 U	METHYLENE CHLORIDE	6 U	1,1,2-TRICHLOROETHANE
12 U	ACETONE	6 U	BENZENE
6 U	CARBON DISULFIDE	6 U	TRANS-1,3-DICHLOROPROPENE
6 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	6 U	BROMOFORM
6 U	1,1-DICHLOROETHANE	12 U	METHYL ISOBUTYL KETONE
6 U	1,2-DICHLOROETHENE (TOTAL)	12 U	METHYL BUTYL KETONE
6 U	CHLOROFORM	6 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6 U	1,2-DICHLOROETHANE	6 U	1,1,2,2-TETRACHLOROETHANE
12UR	METHYL ETHYL KETONE	6 U	TOLUENE
6 U	1,1,1-TRICHLOROETHANE	6 U	CHLOROBENZENE
6 U	CARBON TETRACHLORIDE	6 U	ETHYL BENZENE
12 U	VINYL ACETATE	6 U	STYRENE
6 U	BROMODICHLOROMETHANE	6 U	TOTAL XYLENES
		19	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53333 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-04

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 0950 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y947

UG/KG	ANALYTICAL RESULTS
820 U	PHENOL
820 U	BIS(2-CHLOROETHYL) ETHER
820 U	2-CHLOROPHENOL
820 U	1,3-DICHLOROBENZENE
820 U	1,4-DICHLOROBENZENE
820 U	BENZYL ALCOHOL
820 U	1,2-DICHLOROBENZENE
820 U	2-METHYLPHENOL
820 U	BIS(2-CHLOROISOPROPYL) ETHER
820 U	(3-AND/OR 4-)METHYLPHENOL
820 U	N-NITROSODI-N-PROPYLAMINE
820 U	HEXACHLOROETHANE
820 U	NITROBENZENE
820 U	ISOPHORONE
820 U	2-NITROPHENOL
820 U	2,4-DIMETHYLPHENOL
4000 U	BENZOIC ACID
820 U	BIS(2-CHLOROETHOXY) METHANE
820 U	2,4-DICHLOROPHENOL
820UJ	1,2,4-TRICHLOROBENZENE
820 U	NAPHTHALENE
820 U	4-CHLOROANILINE
820 U	HEXACHLOROBUTADIENE
820 U	4-CHLORO-3-METHYLPHENOL
820 U	2-METHYLNAPHTHALENE
820 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
820 U	2,4,6-TRICHLOROPHENOL
4000 U	2,4,5 TRICHLOROPHENOL
820 U	2-CHLORONAPHTHALENE
4000 U	2-NITROANILINE
820 U	DIMETHYL PHTHALATE
820 U	ACENAPHTHYLENE
820 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
4000 U	3-NITROANILINE
820 U	ACENAPHTHENE
4000 U	2,4-DINITROPHENOL
4000 U	4-NITROPHENOL
820 U	DIBENZOFURAN
820 U	2,4-DINITROTOLUENE
820 U	DIETHYL PHTHALATE
820 U	4-CHLOROPHENYL PHENYL ETHER
820 U	FLUORENE
4000 U	4-NITROANILINE
4000 U	2-METHYL-4,6-DINITROPHENOL
820 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
820 U	4 BROMOPHENYL PHENYL ETHER
820 U	HEXACHLOROBENZENE (HCB)
4000 U	PENTACHLOROPHENOL
820 U	PHENANTHRENE
820 U	ANTHRACENE
820 U	DI-N-BUTYLPHTHALATE
820 U	FLUORANTHENE
820 U	PYRENE
820 U	BENZYL BUTYL PHTHALATE
1600 U	3,3'-DICHLOROBENZIDINE
820 U	BENZO(A)ANTHRACENE
820 U	CHRYSENE
820 U	BIS(2-ETHYLHEXYL) PHTHALATE
820 U	DI-N-OCTYLPHTHALATE
820 U	BENZO(B AND/OR K)FLUORANTHENE
820 U	BENZO A-PYRENE
820 U	INDENO (1,2,3-CD) PYRENE
820 U	DIBENZO(A,H)ANTHRACENE
820 U	BENZO(GHI)PERYLENE
19	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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53333 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-04
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 0950 STOP: 00/00/00
D. NUMBER: Y947

UG/KG	ANALYTICAL RESULTS
9.8U	ALPHA-BHC
9.8U	BETA-BHC
9.8U	DELTA-BHC
9.8U	GAMMA-BHC (LINDANE)
9.8U	HEPTACHLOR
9.8U	ALDRIN
9.8U	HEPTACHLOR EPOXIDE
9.8U	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
98 U	METHOXYCHLOR
20 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
98 U	GAMMA-CHLORDANE /2
98 U	ALPHA-CHLORDANE /2
200 U	TOXAPHENE
98 U	PCB-1016 (AROCLOR 1016)
98 U	PCB-1221 (AROCLOR 1221)
98 U	PCB-1232 (AROCLOR 1232)
98 U	PCB-1242 (AROCLOR 1242)
98 U	PCB-1248 (AROCLOR 1248)
200 U	PCB-1254 (AROCLOR 1254)
200 U	PCB-1260 (AROCLOR 1260)
19	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1210 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y939

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
20 U	CHLOROMETHANE	10 U	1,2-DICHLOROPROPANE
20 U	BROMOMETHANE	10 U	CIS-1,3-DICHLOROPROPENE
20 U	VINYL CHLORIDE	10 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
20 U	CHLOROETHANE	10 U	DIBROMOCHLOROMETHANE
20U	METHYLENE CHLORIDE	10 U	1,1,2-TRICHLOROETHANE
20 U	ACETONE	10 U	BENZENE
10 U	CARBON DISULFIDE	10 U	TRANS-1,3-DICHLOROPROPENE
10 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	10 U	BROMOFORM
10 U	1,1-DICHLOROETHANE	20 U	METHYL ISOBUTYL KETONE
10 U	1,2-DICHLOROETHENE (TOTAL)	20 U	METHYL BUTYL KETONE
10 U	CHLOROFORM	10 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
10 U	1,2-DICHLOROETHANE	10 U	1,1,2,2-TETRACHLOROETHANE
20UR	METHYL ETHYL KETONE	10 U	TOLUENE
10 U	1,1,1-TRICHLOROETHANE	10 U	CHLOROBENZENE
10 U	CARBON TETRACHLORIDE	10 U	ETHYL BENZENE
20 U	VINYL ACETATE	10 U	STYRENE
10 U	BROMODICHLOROMETHANE	10.U	TOTAL XYLENES
		50	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-01

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1210 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y939

UG/KG	ANALYTICAL RESULTS
1300 U	PHENOL
1300 U	BIS(2-CHLOROETHYL) ETHER
1300 U	2-CHLOROPHENOL
1300 U	1,3-DICHLOROBENZENE
1300 U	1,4-DICHLOROBENZENE
1300 U	BENZYL ALCOHOL
1300 U	1,2-DICHLOROBENZENE
1300 U	2-METHYLPHENOL
1300 U	BIS(2-CHLOROISOPROPYL) ETHER
1300 U	(3-AND/OR 4-)METHYLPHENOL
1300 U	N-NITROSODI-N-PROPYLAMINE
1300 U	HEXACHLOROETHANE
1300 U	NITROBENZENE
1300 U	ISOPHORONE
1300 U	2-NITROPHENOL
1300 U	2,4-DIMETHYLPHENOL
6400 U	BENZOIC ACID
1300 U	BIS(2-CHLOROETHOXY) METHANE
1300 U	2,4-DICHLOROPHENOL
1300UJ	1,2,4-TRICHLOROBENZENE
1300 U	NAPHTHALENE
1300 U	4-CHLOROANILINE
1300 U	HEXACHLOROBUTADIENE
1300 U	4-CHLORO-3-METHYLPHENOL
1300 U	2-METHYLNAPHTHALENE
1300 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
1300 U	2,4,6-TRICHLOROPHENOL
6400 U	2,4,5 TRICHLOROPHENOL
1300 U	2-CHLORONAPHTHALENE
6400 U	2-NITROANILINE
1300 U	DIMETHYL PHTHALATE
1300 U	ACENAPHTHYLENE
1300 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
6400 U	3-NITROANILINE
1300 U	ACENAPHTHENE
6400 U	2,4-DINITROPHENOL
6400 U	4-NITROPHENOL
1300 U	DIBENZOFURAN
1300 U	2,4-DINITROTOLUENE
1300 U	DIETHYL PHTHALATE
1300 U	4-CHLOROPHENYL PHENYL ETHER
1300 U	FLUORENE
6400 U	4-NITROANILINE
6400 U	2-METHYL-4,6-DINITROPHENOL
1300 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1300 U	4-BROMOPHENYL PHENYL ETHER
1300 U	HEXACHLOROBENZENE (HCB)
6400 U	PENTACHLOROPHENOL
1300 U	PHENANTHRENE
1300 U	ANTHRACENE
1300 U	DI-N-BUTYLPHTHALATE
1300 U	FLUORANTHENE
1300 U	PYRENE
1300 U	BENZYL BUTYL PHTHALATE
2600 U	3,3'-DICHLOROBENZIDINE
1300 U	BENZO(A)ANTHRACENE
1300 U	CHRYSENE
1300 U	BIS(2-ETHYLHEXYL) PHTHALATE
1300 U	DI-N-OCTYLPHTHALATE
1300 U	BENZO(B AND/OR K)FLUORANTHENE
380 J	BENZO-A-PYRENE
1300 U	INDENO (1,2,3-CD) PYRENE
1300 U	DIBENZO(A,H)ANTHRACENE
1300 U	BENZO(GHI)PERYLENE
50	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.

02/11/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

*** ***
** PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC **
** STATION ID: SD-01 COLLECTION START: 12/11/90 1210 STOP: 00/00/00 **
** CASE.NO.: 15500 SAS NO.: D. NO.: Y939 MD NO: Y939 **
** **
*** ***

ANALYTICAL RESULTS UG/KG

10000J	5 UNIDENTIFIED COMPOUNDS
2000JN	PHOSPHORIC ACID, DIOCTADECYLESTER

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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-01
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1210 STOP: 00/00/00
D. NUMBER: Y939

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
16 U	ALPHA-BHC	160 U	METHOXYCHLOR
16 U	BETA-BHC	32 U	ENDRIN KETONE
16 U	DELTA-BHC		CHLORDANE (TECH. MIXTURE) /1
16 U	GAMMA-BHC (LINDANE)	160 U	GAMMA-CHLORDANE /2
16 U	HEPTACHLOR	160 U	ALPHA-CHLORDANE /2
16 U	ALDRIN	320 U	TOXAPHENE
16 U	HEPTACHLOR EPOXIDE	160 U	PCB-1016 (AROCLOR 1016)
16 U	ENDOSULFAN I (ALPHA)	160 U	PCB-1221 (AROCLOR 1221)
32 U	DIELDRIN	160 U	PCB-1232 (AROCLOR 1232)
32 U	4,4'-DDE (P,P'-DDE)	160 U	PCB-1242 (AROCLOR 1242)
32 U	ENDRIN	160 U	PCB-1248 (AROCLOR 1248)
32 U	ENDOSULFAN II (BETA)	320 U	PCB-1254 (AROCLOR 1254)
32 U	4,4'-DDD (P,P'-DDD)	320 U	PCB-1260 (AROCLOR 1260)
32 U	ENDOSULFAN SULFATE	50	PERCENT MOISTURE
32 U	4,4'-DDT (P,P'-DDT)		

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

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53337 SAMPLE TYPE:
SOURCE:
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1330 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y943

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
12 U	CHLOROMETHANE	6 U	1,2-DICHLOROPROPANE
12 U	BROMOMETHANE	6 U	CIS-1,3-DICHLOROPROPENE
12 U	VINYL CHLORIDE	6 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
12 U	CHLOROETHANE	6 U	DIBROMOCHLOROMETHANE
8U	METHYLENE CHLORIDE	6 U	1,1,2-TRICHLOROETHANE
12 U	ACETONE	6 U	BENZENE
6 U	CARBON DISULFIDE	6 U	TRANS-1,3-DICHLOROPROPENE
6 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	6 U	BROMOFORM
6 U	1,1-DICHLOROETHANE	12 U	METHYL ISOBUTYL KETONE
6 U	1,2-DICHLOROETHENE (TOTAL)	12 U	METHYL BUTYL KETONE
6 U	CHLOROFORM	6 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
6 U	1,2-DICHLOROETHANE	6 U	1,1,2,2-TETRACHLOROETHANE
12UR	METHYL ETHYL KETONE	6 U	TOLUENE
6 U	1,1,1-TRICHLOROETHANE	6 U	CHLOROBENZENE
6 U	CARBON TETRACHLORIDE	6 U	ETHYL BENZENE
12 U	VINYL ACETATE	6 U	STYRENE
6 U	BROMODICHLOROMETHANE	6 U	TOTAL XYLENES
		19	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53337 SAMPLE TYPE:
SOURCE:
STATION ID: SD-02

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1330 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y943

UG/KG	ANALYTICAL RESULTS
810 U	PHENOL
810 U	BIS(2-CHLOROETHYL) ETHER
810 U	2-CHLOROPHENOL
810 U	1,3-DICHLOROBENZENE
810 U	1,4-DICHLOROBENZENE
810 U	BENZYL ALCOHOL
810 U	1,2-DICHLOROBENZENE
810 U	2-METHYLPHENOL
810 U	BIS(2-CHLOROISOPROPYL) ETHER
810 U	(3-AND/OR 4-)METHYLPHENOL
810 U	N-NITROSODI-N-PROPYLAMINE
810 U	HEXACHLOROETHANE
810 U	NITROBENZENE
810 U	ISOPHORONE
810 U	2-NITROPHENOL
810 U	2,4-DIMETHYLPHENOL
3900 U	BENZOIC ACID
810 U	BIS(2-CHLOROETHOXY) METHANE
810 U	2,4-DICHLOROPHENOL
810UJ	1,2,4-TRICHLOROBENZENE
810 U	NAPHTHALENE
810 U	4-CHLOROANILINE
810 U	HEXACHLOROBUTADIENE
810 U	4-CHLORO-3-METHYLPHENOL
810 U	2-METHYLNAPHTHALENE
810 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
810 U	2,4,6-TRICHLOROPHENOL
3900 U	2,4,5 TRICHLOROPHENOL
810 U	2-CHLORONAPHTHALENE
3900 U	2-NITROANILINE
810 U	DIMETHYL PHTHALATE
810 U	ACENAPHTHYLENE
810 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
3900 U	3-NITROANILINE
810 U	ACENAPHTHENE
3900 U	2,4-DINITROPHENOL
3900 U	4-NITROPHENOL
810 U	DIBENZOFURAN
810 U	2,4-DINITROTOLUENE
810 U	DIETHYL PHTHALATE
810 U	4-CHLOROPHENYL PHENYL ETHER
810 U	FLUORENE
3900 U	4-NITROANILINE
3900 U	2-METHYL-4,6-DINITROPHENOL
810 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
810 U	4-BROMOPHENYL PHENYL ETHER
810 U	HEXACHLOROBENZENE (HCB)
3900 U	PENTACHLOROPHENOL
810 U	PHENANTHRENE
810 U	ANTHRACENE
810 U	DI-N-BUTYLPHTHALATE
810 U	FLUORANTHENE
810 U	PYRENE
810 U	BENZYL BUTYL PHTHALATE
1600 U	3,3'-DICHLOROBENZIDINE
810 U	BENZO(A)ANTHRACENE
810 U	CHRYSENE
810U	BIS(2-ETHYLHEXYL) PHTHALATE
810 U	DI-N-OCTYLPHTHALATE
810U	BENZO(B AND/OR K)FLUORANTHENE
810 U	BENZO-A-PYRENE
810 U	INDENO (1,2,3-CD) PYRENE
810 U	DIBENZO(A,H)ANTHRACENE
810 U	BENZO(GHI)PERYLENE
19	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53337 SAMPLE TYPE:
SOURCE:
STATION ID: SD-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1330 STOP: 00/00/00
D. NUMBER: Y943

UG/KG	ANALYTICAL RESULTS
9.9U	ALPHA-BHC
9.9U	BETA-BHC
9.9U	DELTA-BHC
9.9U	GAMMA-BHC (LINDANE)
9.9U	HEPTACHLOR
9.9U	ALDRIN
9.9U	HEPTACHLOR EPOXIDE
9.9U	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
99 U	METHOXYCHLOR
20 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
99 U	GAMMA-CHLORDANE /2
99 U	ALPHA-CHLORDANE /2
200 U	TOXAPHENE
99 U	PCB-1016 (AROCLOR 1016)
99 U	PCB-1221 (AROCLOR 1221)
99 U	PCB-1232 (AROCLOR 1232)
99 U	PCB-1242 (AROCLOR 1242)
99 U	PCB-1248 (AROCLOR 1248)
200 U	PCB-1254 (AROCLOR 1254)
200 U	PCB-1260 (AROCLOR 1260)
19	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 . SAMPLE NO. 53338 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-03

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1410 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y945

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
15 U	CHLOROMETHANE	7 U	1,2-DICHLOROPROPANE
15 U	BROMOMETHANE	7 U	CIS-1,3-DICHLOROPROPENE
15 U	VINYL CHLORIDE	7 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
15 U	CHLOROETHANE	7 U	DIBROMOCHLOROMETHANE
20U	METHYLENE CHLORIDE	7 U	1,1,2-TRICHLOROETHANE
15 U	ACETONE	7 U	BENZENE
7 U	CARBON DISULFIDE	7 U	TRANS-1,3-DICHLOROPROPENE
7 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)	7 U	BROMOFORM
7 U	1,1-DICHLOROETHANE	15 U	METHYL ISOBUTYL KETONE
7 U	1,2-DICHLOROETHENE (TOTAL)	15 U	METHYL BUTYL KETONE
6 J	CHLOROFORM	7 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
7 U	1,2-DICHLOROETHANE	7 U	1,1,2,2-TETRACHLOROETHANE
15UR	METHYL ETHYL KETONE	7 U	TOLUENE
7U	1,1,1-TRICHLOROETHANE	7 U	CHLOROBENZENE
7 U	CARBON TETRACHLORIDE	7 U	ETHYL BENZENE
15 U	VINYL ACETATE	7 U	STYRENE
7 U	BROMODICHLOROMETHANE	7 U	TOTAL XYLENES
		32	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53338 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-03
PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1410 STOP: 00/00/00
CASE NO.: 15500 SAS NO.: D. NO.: Y945

UG/KG		ANALYTICAL RESULTS
970	U	PHENOL
970	U	BIS(2-CHLOROETHYL) ETHER
970	U	2-CHLOROPHENOL
970	U	1,3-DICHLOROBENZENE
970	U	1,4-DICHLOROBENZENE
970	U	BENZYL ALCOHOL
970	U	1,2-DICHLOROBENZENE
970	U	2-METHYLPHENOL
970	U	BIS(2-CHLOROISOPROPYL) ETHER
970	U	(3-AND/OR 4-)METHYLPHENOL
970	U	N-NITROSODI-N-PROPYLAMINE
970	U	HEXACHLOROETHANE
970	U	NITROBENZENE
970	U	ISOPHORONE
970	U	2-NITROPHENOL
970	U	2,4-DIMETHYLPHENOL
4700	U	BENZOIC ACID
970	U	BIS(2-CHLOROETHOXY) METHANE
970	U	2,4-DICHLOROPHENOL
970	UJ	1,2,4-TRICHLOROBENZENE
970	U	NAPHTHALENE
970	U	4-CHLOROANILINE
970	U	HEXACHLOROBUTADIENE
970	U	4-CHLORO-3-METHYLPHENOL
970	U	2-METHYLNAPHTHALENE
970	U	HEXACHLOROCYCLOPENTADIENE (HCCP)
970	U	2,4,6-TRICHLOROPHENOL
4700	U	2,4,5-TRICHLOROPHENOL
970	U	2-CHLORONAPHTHALENE
4700	U	2-NITROANILINE
970	U	DIMETHYL PHTHALATE
970	U	ACENAPHTHYLENE
970	U	2,6-DINITROTOLUENE

UG/KG		ANALYTICAL RESULTS
4700	U	3-NITROANILINE
970	U	ACENAPHTHENE
4700	U	2,4-DINITROPHENOL
4700	U	4-NITROPHENOL
970	U	DIBENZOFURAN
970	U	2,4-DINITROTOLUENE
970	U	DIETHYL PHTHALATE
970	U	4-CHLOROPHENYL PHENYL ETHER
970	U	FLUORENE
4700	U	4-NITROANILINE
4700	U	2-METHYL-4,6-DINITROPHENOL
970	U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
970	U	4-BROMOPHENYL PHENYL ETHER
970	U	HEXACHLOROBENZENE (HCB)
4700	U	PENTACHLOROPHENOL
170	J	PHENANTHRENE
970	U	ANTHRACENE
170	J	DI-N-BUTYLPHTHALATE
220	J	FLUORANTHENE
120	J	PYRENE
970	U	BENZYL BUTYL PHTHALATE
1900	U	3,3'-DICHLOROBENZIDINE
970	U	BENZO(A)ANTHRACENE
970	U	CHRYSENE
2800		BIS(2-ETHYLHEXYL) PHTHALATE
970	U	DI-N-OCTYLPHTHALATE
970	U	BENZO(B AND/OR K)FLUORANTHENE
970	U	BENZO-A-PYRENE
970	U	INDENO (1,2,3-CD) PYRENE
970	U	DIBENZO(A,H)ANTHRACENE
970	U	BENZO(GHI)PERYLENE
32		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.

02/11/91

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53338 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO	CITY: LANSING ST: NC
STATION ID: SD-03	COLLECTION START: 12/11/90 1410 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.:	D. NO.: Y945 MD NO: Y945

ANALYTICAL RESULTS UG/KG

3000J 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.

PESTICIDES/PCB'S DATA REPORT 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53338 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-03
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1410 STOP: 00/00/00
D. NUMBER: Y945

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
120 U	METHOXYCHLOR
24 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
120 U	GAMMA-CHLORDANE /2
120 U	ALPHA-CHLORDANE /2
240 U	TOXAPHENE
120 U	PCB-1016 (AROCLOR 1016)
120 U	PCB-1221 (AROCLOR 1221)
120 U	PCB-1232 (AROCLOR 1232)
120 U	PCB-1242 (AROCLOR 1242)
120 U	PCB-1248 (AROCLOR 1248)
240 U	PCB-1254 (AROCLOR 1254)
240 U	PCB-1260 (AROCLOR 1260)
32	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SD-04
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1040 STOP: 00/00/00

D. NO.: Y951

UG/KG	ANALYTICAL RESULTS
18 U	CHLOROMETHANE
18 U	BROMOMETHANE
18 U	VINYL CHLORIDE
18 U	CHLOROETHANE
9U	METHYLENE CHLORIDE
18 U	ACETONE
9 U	CARBON DISULFIDE
9 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
9 U	1,1-DICHLOROETHANE
9 U	1,2-DICHLOROETHENE (TOTAL)
9 U	CHLOROFORM
9 U	1,2-DICHLOROETHANE
18UR	METHYL ETHYL KETONE
9 U	1,1,1-TRICHLOROETHANE
9 U	CARBON TETRACHLORIDE
18 U	VINYL ACETATE
9 U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
9 U	1,2-DICHLOROPROPANE
9 U	CIS-1,3-DICHLOROPROPENE
9 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
9 U	DIBROMOCHLOROMETHANE
9 U	1,1,2-TRICHLOROETHANE
9 U	BENZENE
9 U	TRANS-1,3-DICHLOROPROPENE
9 U	BROMOFORM
18 U	METHYL ISOBUTYL KETONE
18 U	METHYL BUTYL KETONE
9 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
9 U	1,1,2,2-TETRACHLOROETHANE
9 U	TOLUENE
9 U	CHLOROBENZENE
9 U	ETHYL BENZENE
9 U	STYRENE
9 U	TOTAL XYLENES
45	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

** PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL
** SOURCE: SPRAGUE ELECTRIC CO
** STATION ID: SD-04
**
** CASE NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1040 STOP: 00/00/00

D. NO.: Y951

UG/KG		ANALYTICAL RESULTS
1200	U	PHENOL
1200	U	BIS(2-CHLOROETHYL) ETHER
1200	U	2-CHLOROPHENOL
1200	U	1,3-DICHLOROBENZENE
1200	U	1,4-DICHLOROBENZENE
1200	U	BENZYL ALCOHOL
1200	U	1,2-DICHLOROBENZENE
1200	U	2-METHYLPHENOL
1200	U	BIS(2-CHLOROISOPROPYL) ETHER
1200	U	(3-AND/OR 4-)METHYLPHENOL
1200	U	N-NITROSODI-N-PROPYLAMINE
1200	U	HEXACHLOROETHANE
1200	U	NITROBENZENE
1200	U	ISOPHORONE
1200	U	2-NITROPHENOL
1200	U	2,4-DIMETHYLPHENOL
5800	U	BENZOIC ACID
1200	U	BIS(2-CHLOROETHOXY) METHANE
1200	U	2,4-DICHLOROPHENOL
1200	UJ	1,2,4-TRICHLOROBENZENE
1200	U	NAPHTHALENE
1200	U	4-CHLOROANILINE
1200	U	HEXACHLOROBUTADIENE
1200	U	4-CHLORO-3-METHYLPHENOL
1200	U	2-METHYLNAPHTHALENE
1200	U	HEXACHLOROCYCLOPENTADIENE (HCCP)
1200	U	2,4,6-TRICHLOROPHENOL
5800	U	2,4,5 TRICHLOROPHENOL
1200	U	2-CHLORONAPHTHALENE
5800	U	2-NITROANILINE
1200	U	DIMETHYL PHTHALATE
1200	U	ACENAPHTHYLENE
1200	U	2,6-DINITROTOLUENE

UG/KG		ANALYTICAL RESULTS
5800	U	3-NITROANILINE
1200	U	ACENAPHTHENE
5800	U	2,4-DINITROPHENOL
5800	U	4-NITROPHENOL
1200	U	DIBENZOFURAN
1200	U	2,4-DINITROTOLUENE
1200	U	DIETHYL PHTHALATE
1200	U	4-CHLOROPHENYL PHENYL ETHER
1200	U	FLUORENE
5800	U	4-NITROANILINE
5800	U	2-METHYL-4,6-DINITROPHENOL
1200	U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1200	U	4-BROMOPHENYL PHENYL ETHER
1200	U	HEXACHLOROBENZENE (HCB)
5800	U	PENTACHLOROPHENOL
1200	U	PHENANTHRENE
1200	U	ANTHRACENE
1200	U	DI-N-BUTYLPHTHALATE
1200	U	FLUORANTHENE
1200	U	PYRENE
1200	U	BENZYL BUTYL PHTHALATE
2400	U	3,3'-DICHLOROBENZIDINE
1200	U	BENZO(A)ANTHRACENE
1200	U	CHRYSENE
1200	U	BIS(2-ETHYLHEXYL) PHTHALATE
1200	U	DI-N-OCTYLPHTHALATE
1200	U	BENZO(B AND/OR K)FLUORANTHENE
1200	U	BENZO-A-PYRENE
1200	U	INDENO (1,2,3-CD) PYRENE
1200	U	DIBENZO(A,H)ANTHRACENE
1200	U	BENZO(GHI)PERYLENE
	45	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.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SD-04 COLLECTION START: 12/12/90 1040 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y951 MD NO: Y951

ANALYTICAL RESULTS UG/KG

30000J	14 UNIDENTIFIED COMPOUNDS
N	PETROLEUM PRODUCT

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

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-04
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1040 STOP: 00/00/00
D. NUMBER: Y951

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

UG/KG	ANALYTICAL RESULTS
140 U	METHOXYCHLOR
29 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
140 U	GAMMA-CHLORDANE /2
140 U	ALPHA-CHLORDANE /2
290 U	TOXAPHENE
140 U	PCB-1016 (AROCLOR 1016)
140 U	PCB-1221 (AROCLOR 1221)
140 U	PCB-1232 (AROCLOR 1232)
140 U	PCB-1242 (AROCLOR 1242)
140 U	PCB-1248 (AROCLOR 1248)
290 U	PCB-1254 (AROCLOR 1254)
290 U	PCB-1260 (AROCLOR 1260)
45	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53340 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-05

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1005 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y950

UG/KG	ANALYTICAL RESULTS
21 U	CHLOROMETHANE
21 U	BROMOMETHANE
21 U	VINYL CHLORIDE
21 U	CHLOROETHANE
11U	METHYLENE CHLORIDE
21 U	ACETONE
11 U	CARBON DISULFIDE
11 U	1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11 U	1,1-DICHLOROETHANE
11 U	1,2-DICHLOROETHENE (TOTAL)
11 U	CHLOROFORM
11 U	1,2-DICHLOROETHANE
21UR	METHYL ETHYL KETONE
11 U	1,1,1-TRICHLOROETHANE
11 U	CARBON TETRACHLORIDE
21 U	VINYL ACETATE
11 U	BROMODICHLOROMETHANE

UG/KG	ANALYTICAL RESULTS
11 U	1,2-DICHLOROPROPANE
11 U	CIS-1,3-DICHLOROPROPENE
11 U	TRICHLOROETHENE(TRICHLOROETHYLENE)
11 U	DIBROMOCHLOROMETHANE
11 U	1,1,2-TRICHLOROETHANE
11 U	BENZENE
11 U	TRANS-1,3-DICHLOROPROPENE
11 U	BROMOFORM
21 U	METHYL ISOBUTYL KETONE
21 U	METHYL BUTYL KETONE
11 U	TETRACHLOROETHENE(TETRACHLOROETHYLENE)
11 U	1,1,2,2-TETRACHLOROETHANE
11 U	TOLUENE
11 U	CHLOROBENZENE
11 U	ETHYL BENZENE
11 U	STYRENE
11 U	TOTAL XYLENES
53	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.

02/11/91

EXTRACTABLE ORGANICS DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53340   SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-05

PROG ELEM: NSF   COLLECTED BY: E CORBIN
CITY: LANSING   ST: NC
COLLECTION START: 12/12/90 1005   STOP: 00/00/00

CASE NO.: 15500   SAS NO.:   D. NO.: Y950

UG/KG	ANALYTICAL RESULTS
1400 U	PHENOL
1400 U	BIS(2-CHLOROETHYL) ETHER
1400 U	2-CHLOROPHENOL
1400 U	1,3-DICHLOROBENZENE
1400 U	1,4-DICHLOROBENZENE
1400 U	BENZYL ALCOHOL
1400 U	1,2-DICHLOROBENZENE
1400 U	2-METHYLPHENOL
1400 U	BIS(2-CHLOROISOPROPYL) ETHER
1400 U	(3-AND/OR 4-)METHYLPHENOL
1400 U	N-NITROSODI-N-PROPYLAMINE
1400 U	HEXACHLOROETHANE
1400 U	NITROBENZENE
1400 U	ISOPHORONE
1400 U	2-NITROPHENOL
1400 U	2,4-DIMETHYLPHENOL
6900 U	BENZOIC ACID
1400 U	BIS(2-CHLOROETHOXY) METHANE
1400 U	2,4-DICHLOROPHENOL
1400UJ	1,2,4-TRICHLOROBENZENE
1400 U	NAPHTHALENE
1400 U	4-CHLOROANILINE
1400 U	HEXACHLOROBUTADIENE
1400 U	4-CHLORO-3-METHYLPHENOL
1400 U	2-METHYLNAPHTHALENE
1400 U	HEXACHLOROCYCLOPENTADIENE (HCCP)
1400 U	2,4,6-TRICHLOROPHENOL
6900 U	2,4,5 TRICHLOROPHENOL
1400 U	2-CHLORONAPHTHALENE
6900 U	2-NITROANILINE
1400 U	DIMETHYL PHTHALATE
1400 U	ACENAPHTHYLENE
1400 U	2,6-DINITROTOLUENE

UG/KG	ANALYTICAL RESULTS
6900 U	3-NITROANILINE
1400 U	ACENAPHTHENE
6900 U	2,4-DINITROPHENOL
6900 U	4-NITROPHENOL
1400 U	DIBENZOFURAN
1400 U	2,4-DINITROTOLUENE
1400 U	DIETHYL PHTHALATE
1400 U	4-CHLOROPHENYL PHENYL ETHER
1400 U	FLUORENE
6900 U	4-NITROANILINE
6900 U	2-METHYL-4,6-DINITROPHENOL
1400 U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
1400 U	4 BROMOPHENYL PHENYL ETHER
1400 U	HEXACHLOROBENZENE (HCB)
6900 U	PENTACHLOROPHENOL
1400 U	PHENANTHRENE
1400 U	ANTHRACENE
1400 U	DI-N-BUTYLPHTHALATE
1400 U	FLUORANTHENE
1400 U	PYRENE
1400 U	BENZYL BUTYL PHTHALATE
2800 U	3,3'-DICHLOROBENZIDINE
1400 U	BENZO(A)ANTHRACENE
1400 U	CHRYSENE
1400U	BIS(2-ETHYLHEXYL) PHTHALATE
1400 U	DI-N-OCTYLPHTHALATE
1400 U	BENZO(B AND/OR K)FLUORANTHENE
1400 U	BENZO-A-PYRENE
1400 U	INDENO (1,2,3-CD) PYRENE
1400 U	DIBENZO(A,H)ANTHRACENE
1400 U	BENZO(GHI)PERYLENE
53	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.

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53340 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SD-05 COLLECTION START: 12/12/90 1005 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y950 MD NO: Y950

ANALYTICAL RESULTS UG/KG

700JN	HYDROXYPHENYLMETHYLPHENOL
1000JN	PHOSPHORIC ACID, DIOCTADECYLESTER
5000J	5 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.

02/11/91

PESTICIDES/PCB'S DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53340 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-05
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1005 STOP: 00/00/00
D. NUMBER: Y950

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

UG/KG	ANALYTICAL RESULTS
170 U	METHOXYCHLOR
34 U	ENDRIN KETONE
	CHLORDANE (TECH. MIXTURE) /1
170 U	GAMMA-CHLORDANE /2
170 U	ALPHA-CHLORDANE /2
340 U	TOXAPHENE
170 U	PCB-1016 (AROCLOR 1016)
170 U	PCB-1221 (AROCLOR 1221)
170 U	PCB-1232 (AROCLOR 1232)
170 U	PCB-1242 (AROCLOR 1242)
170 U	PCB-1248 (AROCLOR 1248)
340 U	PCB-1254 (AROCLOR 1254)
340 U	PCB-1260 (AROCLOR 1260)
53	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.
*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.

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

02/11/91

PURGEABLE ORGANICS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53350 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: TB-01S

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 0725 STOP: 00/00/00

CASE NO.: 15500 SAS NO.: D. NO.: Y953

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

REMARKS
NO SAMPLE CONTAINER RECEIVED

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.

02/11/91

METALS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53334 SAMPLE TYPE: SOIL
PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO
CITY: LANSING ST: NC
STATION ID: SB-01
COLLECTION START: 12/11/90 1130 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER:
MD NUMBER: Y937

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
22000	ALUMINUM	560	MANGANESE
6.7UJ	ANTIMONY	.12U	MERCURY
2U	ARSENIC	24	NICKEL
170	BARIUM	2700	POTASSIUM
.53U	BERYLLIUM	.72UJ	SELENIUM
.96U	CADMIUM	.96U	SILVER
2900	CALCIUM	320U	SODIUM
68	CHROMIUM	.72U	THALLIUM
23	COBALT	NA	TIN
36	COPPER	81	VANADIUM
30000	IRON	47	ZINC
5.6J	LEAD	17	PERCENT MOISTURE
6300	MAGNESIUM		

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.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53334 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SB-01 COLLECTION START: 12/11/90 1130 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y937 MD NO: Y937

RESULTS	UNITS	PARAMETER
.60U	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.

02/11/91

METALS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53335 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SB-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1310 STOP: 00/00/00
MD NUMBER: Y941

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
26000	ALUMINUM	620	MANGANESE
6.4UJ	ANTIMONY	.11U	MERCURY
.68U	ARSENIC	18	NICKEL
360	BARIUM	6300	POTASSIUM
1.6	BERYLLIUM	.68UJ	SELENIUM
.91U	CADMIUM	.91U	SILVER
6600	CALCIUM	1100U	SODIUM
37	CHROMIUM	.68U	THALLIUM
23	COBALT	NA	TIN
37	COPPER	120	VANADIUM
39000	IRON	39	ZINC
3.2J	LEAD	12	PERCENT MOISTURE
9000	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53335   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO   CITY: LANSING   ST: NC
STATION ID: SB-02   COLLECTION START: 12/11/90 1310   STOP: 00/00/00
CASE.NO.: 15500   SAS NO.:   D. NO.: Y941   MD NO: Y941

RESULTS	UNITS	PARAMETER
.57U	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53330 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-01
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1115 STOP: 00/00/00
MD NUMBER: Y936

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
43000	ALUMINUM	590U	MANGANESE
7.4UJ	ANTIMONY	.13U	MERCURY
3.5	ARSENIC	35	NICKEL
270	BARIUM	3700	POTASSIUM
2U	BERYLLIUM	.79UJ	SELENIUM
1.1U	CADMIUM	1.1U	SILVER
2700	CALCIUM	270U	SODIUM
88	CHROMIUM	.79U	THALLIUM
24	COBALT	NA	TIN
42	COPPER	120	VANADIUM
48000	IRON	76	ZINC
13J	LEAD	24	PERCENT MOISTURE
7600	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53330 SAMPLE TYPE: SOIL
PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO
CITY: LANSING ST: NC
STATION ID: SS-01
COLLECTION START: 12/11/90 1115 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.:
D. NO.: Y936 MD NO: Y936

RESULTS	UNITS	PARAMETER
.66U	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 02/11/91

** PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC **
** STATION ID: SS-02 COLLECTION START: 12/11/90 1305 STOP: 00/00/00 **
** CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y940 **

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
25000	ALUMINUM	650	MANGANESE
6.2UJ	ANTIMONY	.40J	MERCURY
2U	ARSENIC	190	NICKEL
380	BARIUM	4900	POTASSIUM
3U	BERYLLIUM	.66UJ	SELENIUM
2.4	CADMIUM	.88U	SILVER
5400	CALCIUM	300U	SODIUM
45	CHROMIUM	.66U	THALLIUM
22	COBALT	NA	TIN
100	COPPER	110	VANADIUM
36000	IRON	260	ZINC
33J	LEAD	09	PERCENT MOISTURE
7700	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53331 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SS-02 COLLECTION START: 12/11/90 1305 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y940 MD NO: Y940

RESULTS	UNITS	PARAMETER
.55U	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-03
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1405 STOP: 00/00/00
MD NUMBER: Y944

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
69000	ALUMINUM	1300	MANGANESE
7UJ	ANTIMONY	0.2UJ	MERCURY
2.7	ARSENIC	35	NICKEL
210	BARIUM	1600	POTASSIUM
2U	BERYLLIUM	.75UJ	SELENIUM
1U	CADMIUM	1U	SILVER
5500	CALCIUM	280U	SODIUM
93	CHROMIUM	.75U	THALLIUM
52	COBALT	NA	TIN
42	COPPER	170	VANADIUM
58000	IRON	68	ZINC
14J	LEAD	20	PERCENT MOISTURE
5600	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53332 SAMPLE TYPE: SOIL	PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO	CITY: LANSING ST: NC
STATION ID: SS-03	COLLECTION START: 12/11/90 1405 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.:	D. NO.: Y944 MD NO: Y944

RESULTS	UNITS	PARAMETER
.86	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.

02/11/91

METALS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53333 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-04
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 0950 STOP: 00/00/00
MD NUMBER: Y947

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
41000	ALUMINUM	700	MANGANESE
7.3UJ	ANTIMONY	.13U	MERCURY
.78U	ARSENIC	38	NICKEL
640	BARIUM	9900	POTASSIUM
2U	BERYLLIUM	.78UJ	SELENIUM
1U	CADMIUM	1U	SILVER
2600	CALCIUM	380U	SODIUM
92	CHROMIUM	.78U	THALLIUM
25	COBALT	NA	TIN
37	COPPER	130	VANADIUM
54000	IRON	86	ZINC
40J	LEAD	23	PERCENT MOISTURE
13000	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53333 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SS-04
CASE.NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 0950 STOP: 00/00/00
D. NO.: Y947 MD NO: Y947

RESULTS	UNITS	PARAMETER
.89	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-01
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1210 STOP: 00/00/00
MD NUMBER: Y939

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
37000	ALUMINUM	920	MANGANESE
20UJ	ANTIMONY	.18U	MERCURY
2U	ARSENIC	28	NICKEL
290	BARIUM	4500	POTASSIUM
2U	BERYLLIUM	1.1UJ	SELENIUM
1.5U	CADMIUM	1.5U	SILVER
2400	CALCIUM	360U	SODIUM
48	CHROMIUM	1.1U	THALLIUM
28	COBALT	NA	TIN
32	COPPER	100	VANADIUM
49000	IRON	99	ZINC
31J	LEAD	45	PERCENT MOISTURE
7800	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53336 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SD-01 COLLECTION START: 12/11/90 1210 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y939 MD NO: Y939

RESULTS	UNITS	PARAMETER
.91U	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53337 SAMPLE TYPE:
SOURCE:
STATION ID: SD-02
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1330 STOP: 00/00/00
MD NUMBER: Y943

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
6000	ALUMINUM	210	MANGANESE
7.6UJ	ANTIMONY	.14U	MERCURY
.81U	ARSENIC	28	NICKEL
51	BARIUM	940U	POTASSIUM
.27U	BERYLLIUM	.81UJ	SELENIUM
1.1U	CADMIUM	1.1U	SILVER
1500	CALCIUM	200U	SODIUM
17	CHROMIUM	.81U	THALLIUM
6.8	COBALT	NA	TIN
35	COPPER	32	VANADIUM
12000	IRON	39	ZINC
17J	LEAD	26	PERCENT MOISTURE
1800	MAGNESIUM		

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.

SPECIFIED ANALYSIS DATA REPORT

*** ***
** PROJECT NO. 91-172 SAMPLE NO. 53337 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: CITY: LANSING ST: NC **
** STATION ID: SD-02 COLLECTION START: 12/11/90 1330 STOP: 00/00/00 **
** CASE.NO.: 15500 SAS NO.: D. NO.: Y943 MD NO: Y943 **
** **
*** ***

RESULTS	UNITS	PARAMETER
.67U	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53338 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-03
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1410 STOP: 00/00/00
MD NUMBER: Y945

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
17000	ALUMINUM	480	MANGANESE
9.8UJ	ANTIMONY	.18U	MERCURY
1.1U	ARSENIC	21	NICKEL
120	BARIUM	2500	POTASSIUM
1U	BERYLLIUM	1.1UJ	SELENIUM
1.4U	CADMIUM	1.4U	SILVER
3400	CALCIUM	460U	SODIUM
36	CHROMIUM	1.1U	THALLIUM
17	COBALT	NA	TIN
53	COPPER	67	VANADIUM
25000	IRON	100	ZINC
27J	LEAD	43	PERCENT MOISTURE
4400	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53338   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO   CITY: LANSING   ST: NC
STATION ID: SD-03   COLLECTION START: 12/11/90 1410   STOP: 00/00/00
CASE.NO.: 15500   SAS NO.:   D. NO.: Y945   MD NO: Y945

RESULTS	UNITS	PARAMETER
.88U	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 02/11/91

** PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: E CORBIN **
** SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC **
** STATION ID: SD-04 COLLECTION START: 12/12/90 1040 STOP: 00/00/00 **
** CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y951 **

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
290000	ALUMINUM	110	MANGANESE
20UJ	ANTIMONY	.80J	MERCURY
5.8UJ	ARSENIC	15	NICKEL
55	BARIUM	1600	POTASSIUM
1U	BERYLLIUM	5.8UJ	SELENIUM
1.5U	CADMIUM	1.5U	SILVER
750	CALCIUM	9100	SODIUM
23	CHROMIUM	1.2U	THALLIUM
5.7	COBALT	NA	TIN
46	COPPER	43	VANADIUM
13000	IRON	48	ZINC
7.3J	LEAD	48	PERCENT MOISTURE
1200	MAGNESIUM		

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.

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53339 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-04
CASE.NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1040 STOP: 00/00/00
D. NO.: Y951 MD NO: Y951

RESULTS	UNITS	PARAMETER
1.7	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.

METALS DATA REPORT 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53340 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-05
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1005 STOP: 00/00/00
MD NUMBER: Y950

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
12000	ALUMINUM	360	MANGANESE
8.9UJ	ANTIMONY	.16U	MERCURY
.95U	ARSENIC	14	NICKEL
98	BARIUM	2100	POTASSIUM
1U	BERYLLIUM	.95UJ	SELENIUM
1.3U	CADMIUM	1.3U	SILVER
1500	CALCIUM	360U	SODIUM
26	CHROMIUM	.95U	THALLIUM
12	COBALT	NA	TIN
22	COPPER	45	VANADIUM
18000	IRON	49	ZINC
9.2J	LEAD	37	PERCENT MOISTURE
3600	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53340 SAMPLE TYPE: SOIL
SOURCE: SPRAGUE ELECTRIC CO
STATION ID: SD-05
CASE.NO.: 15500 SAS NO.:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/12/90 1005 STOP: 00/00/00
D. NO.: Y950 MD NO: Y950

RESULTS	UNITS	PARAMETER
.79U	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.

02/11/91

METALS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53341 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: CITY: LANSING ST: NC
STATION ID: SW-01 COLLECTION START: 12/11/90 1200 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y938

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
160U	ALUMINUM	20U	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3UJ	ARSENIC	14U	NICKEL
20U	BARIUM	1100U	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
3500	CALCIUM	2500U	SODIUM
5U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
4U	COPPER	5U	VANADIUM
190U	IRON	6U	ZINC
3U	LEAD		
1300	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53341 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: CITY: LANSING ST: NC
STATION ID: SW-01 COLLECTION START: 12/11/90 1200 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y938 MD NO: Y938

RESULTS	UNITS	PARAMETER
10U	UG/L	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53342 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-02 COLLECTION START: 12/11/90 1325 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y942

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
270U	ALUMINUM	8U	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3UJ	ARSENIC	14U	NICKEL
20U	BARIUM	1100U	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
3300	CALCIUM	13000	SODIUM
5U	CHROMIUM	2U	THALLIUM
7U	COBALT	NA	TIN
29	COPPER	5U	VANADIUM
270U	IRON	43	ZINC
3U	LEAD		
1200	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172   SAMPLE NO. 53342   SAMPLE TYPE: SURFACEWA   PROG ELEM: NSF   COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO   CITY: LANSING   ST: NC
STATION ID: SW-02   COLLECTION START: 12/11/90 1325   STOP: 00/00/00
CASE.NO.: 15500   SAS NO.:   D. NO.: Y942   MD NO: Y942

RESULTS	UNITS	PARAMETER
10U	UG/L	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53343 SAMPLE TYPE:
SOURCE:
STATION ID: SW-03
CASE NUMBER: 15500 SAS NUMBER:

PROG ELEM: NSF COLLECTED BY: E CORBIN
CITY: LANSING ST: NC
COLLECTION START: 12/11/90 1415 STOP: 00/00/00
MD NUMBER: Y946

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
110U	ALUMINUM	20U	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3UJ	ARSENIC	14U	NICKEL
18	BARIUM	1300	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
4500	CALCIUM	3000U	SODIUM
5U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
4U	COPPER	5U	VANADIUM
150U	IRON	7U	ZINC
3U	LEAD		
1700	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53343 SAMPLE TYPE: PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: CITY: LANSING ST: NC
STATION ID: SW-03 COLLECTION START: 12/11/90 1415 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y946 MD NO: Y946

RESULTS	UNITS	PARAMETER
10U	UG/L	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 53344 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-04 COLLECTION START: 12/12/90 1030 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y948

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
1200U	ALUMINUM	120	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3UJ	ARSENIC	14U	NICKEL
1U	BARIUM	1100U	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
11000	CALCIUM	47000	SODIUM
5U	CHROMIUM	2U	THALLIUM
6U	COBALT	NA	TIN
4U	COPPER	5U	VANADIUM
50U	IRON	20U	ZINC
3U	LEAD		
2600	MAGNESIUM		

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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53344 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-04 COLLECTION START: 12/12/90 1030 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y948 MD NO: Y948

RESULTS	UNITS	PARAMETER
10U	UG/L	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

*** *
** PROJECT NO. 91-172 SAMPLE NO. 53345 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTE..
** SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING
** STATION ID: SW-05 COLLECTION START: 12/12/90 1..
** CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y949
**
*** *

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
350U	ALUMINUM	100	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3U	ARSENIC	14U	NICKEL
28	BARIUM	1600	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
4500	CALCIUM	3400	SODIUM
5U	CHROMIUM	2U	THALLIUM
8U	COBALT	NA	TIN
4U	COPPER	5U	VANADIUM
800	IRON	20U	ZINC
3U	LEAD		
1800	MAGNESIUM		

*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.

02/11/91

SPECIFIED ANALYSIS DATA REPORT

PROJECT NO. 91-172 SAMPLE NO. 53345 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: SW-05 COLLECTION START: 12/12/90 1000 STOP: 00/00/00
CASE.NO.: 15500 SAS NO.: D. NO.: Y949 MD NO: Y949

RESULTS	UNITS	PARAMETER
10U	UG/L	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 02/11/91

PROJECT NO. 91-172 SAMPLE NO. 54171 SAMPLE TYPE: SURFACEWA PROG ELEM: NSF COLLECTED BY: E CORBIN
SOURCE: SPRAGUE ELECTRIC CO CITY: LANSING ST: NC
STATION ID: TB-01W COLLECTION START: 12/11/91 0725 STOP: 00/00/00
CASE NUMBER: 15500 SAS NUMBER: MD NUMBER: Y952

UG/L	ANALYTICAL RESULTS	UG/L	ANALYTICAL RESULTS
80U	ALUMINUM	2U	MANGANESE
30U	ANTIMONY	.20U	MERCURY
3UJ	ARSENIC	14U	NICKEL
1U	BARIUM	1100U	POTASSIUM
1U	BERYLLIUM	3UJ	SELENIUM
3U	CADMIUM	7U	SILVER
21U	CALCIUM	620U	SODIUM
5U	CHROMIUM	2U	THALLIUM
5U	COBALT	NA	TIN
4U	COPPER	5U	VANADIUM
10U	IRON	5U	ZINC
3U	LEAD		
27U	MAGNESIUM		

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.   02/11/91

SPECIFIED ANALYSIS DATA REPORT

```
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
**   PROJECT NO. 91-172    SAMPLE NO. 54171  SAMPLE TYPE: SURFACEWA   PROG ELEM: NSF    COLLECTED BY: E CORBIN           **
**   SOURCE: SPRAGUE ELECTRIC CO                                      CITY: LANSING                ST: NC               **
**   STATION ID: TB-01W                                               COLLECTION START: 12/11/91  0725   STOP: 00/00/00  **
**   CASE.NO.: 15500            SAS NO.:                              D. NO.:                      MD NO: Y952          **
**                                                                                                                      **
*** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * ***
```

RESULTS	UNITS	PARAMETER
10U	UG/L	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.

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
NC	D003167780

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Sprague Electric Company	Highway 194

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Lansing	N.C.	28643	Ashe	005	5

09 COORDINATES
LATITUDE ___ ___ ___.___ LONGITUDE ___ ___ ___.___

10 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
12.11.90 (MONTH DAY YEAR)	☒ ACTIVE ☐ INACTIVE	1953 (BEGINNING YEAR) Currently Active (ENDING YEAR) ☐ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☒ B. EPA CONTRACTOR NUS Corp. (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
Eric Corbin	Project Manager	NUS Corp.	(404) 938-7710

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Ralph Hazelton	Fieldwork Manager	NUS Corp.	(404) 938-7710
Larry Grier	Sampler	NUS Corp.	(404) 938-7710
Jim Miller	Geologist	NUS Corp.	(404) 938-7710
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Mickey Miller	Env. Engineer	Sprague Electric Co. Hwy. 194 Lansing, N.C. 28643	( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	0850 - Arrived at facility to conduct SSI	Clear skies with highs in the mid-50's.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Deborah Vaughn Wright	EPA Region III	(404) 347-5065

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Eric Corbin		NUS Corp.	404 938-7710	03/12/91 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
N C	D003167780

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- X A SOLID
- B POWDER FINES
- C SLUDGE
- D OTHER _____ (Specify)
- X E SLURRY
- X F LIQUID
- G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS _____
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- A TOXIC
- X B CORROSIVE
- C. RADIOACTIVE
- X D. PERSISTENT
- E SOLUBLE
- F INFECTIOUS
- G FLAMMABLE
- H IGNITABLE
- I HIGHLY VOLATILE
- J EXPLOSIVE
- K REACTIVE
- L INCOMPATIBLE
- M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	~~[illegible]~~	~~#~~	Aluminum Oxide Wastewater

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
	Aluminum Oxide Wastewater	D002	Lagoons	Unknown	
	Beryllium			16	mg/Kg
	Copper			29	ug/l
	Iron			800	ug/l
	Lead			40 J	mg/Kg
	Nickel			190	ug/l
	Manganese			~~[illegible]~~ 120	ug/l
	Mercury			0.85	mg/Kg
	Zinc			43	ug/l

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

EPA Region III CERCLA file material

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
NC	D003167780

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None Documented

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)

None documented

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None documented through sampling

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

Aluminum Oxide wastes formed are allowed to settle out in a wastewater treatment lagoon system which is unlined.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None Documented

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

Wastewater from the facility's wastewater treatment plant is discharged into the New River after treatment, not into any municipal WWTP or storm drain.

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

None Documented

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 Region III CERCLA file material.

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
NC	D008167780

II. HAZARDOUS CONDITIONS AND INCIDENTS (1400 private and municipal groundwater users.)

01 ☐ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

Within a 4-mile site radius approximately 800 private wells and springs utilize groundwater for their potable supplies as well as 600 municipal customers who utilize groundwater

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Surface water samples collected downstream of the site revealed the presence of copper, sodium, zinc, iron and manganese

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None documented and the threat is expected to be low to the local population outside the facility.

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

None documented

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

The site area is restricted to employees of the facility therefore posing a threat to the employees from contaminated surface soil and little to no threat to offsite residents.

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

Soil samples collected on the facility grounds revealed the presence of elevated levels of lead, mercury, nickel and zinc.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1400 private and municipal ground water users 04 NARRATIVE DESCRIPTION

Groundwater wells or springs supply all potable water to residents in the nearby target area (4-mile radius).

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

None documented

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None documented

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003167780

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS		1980	1984	The facility is now listed as a small quantity generator.
☐ 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		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☒ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER
- ☒ A. BUILDINGS ON SITE

06 AREA OF SITE: @60 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.

A wastewater treatment system was formaly actively operated onsite to allow for the settling and treatment of aluminum oxide wastewater. Several unlined lagoons still exist on the property and were utilized to treat wastewater & contain aluminum oxides

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS: The lagoons are located below the facility to the east and adjacent to the North Fork of the New River. This area is not readily accessible.

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

EPA Region III CERCLA & NUS Corp FIT III file Material

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
NC	D003167780

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS	ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. ☐	B. ☒		A. ☒	B. ☐	C. ☐	A. 3.9 (mi)
NON-COMMUNITY	C. ☐	D. ☒		D. ☒	E. ☐	F. ☐	B. @0.1 (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 4,046 [redacted] people utilize groundwater within a 4 mile radius (Wells & springs) 03 DISTANCE TO NEAREST DRINKING WATER WELL @0.1 (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
25.0 (ft)	—	25.0 (ft)	— (gpd)	☐ YES ☒ NO

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

Wells are completed in the crystalline rock aquifer and groundwater is obtained from fractured zones in the bedrock.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS	☐ YES ☐ NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
North Fork of the New River	☐	<0.1 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN			02 DISTANCE TO NEAREST POPULATION
ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE	
A. 758 NO. OF PERSONS	B. ____ NO. OF PERSONS	C. ____ NO. OF PERSONS	<0.2 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
—	<0.2 (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)

The area surrounding the facility is rural

EPA

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

I. IDENTIFICATION

01 STATE: NC | 02 SITE NUMBER: D003167780

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☒ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☒ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
— (ft)	— (ft)	—	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
17.0 (in)	25 ~~2.5-3.5~~ (in)	%		%

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

11 DISTANCE TO WETLANDS (5 acre minimum)		12 DISTANCE TO CRITICAL HABITAT (of endangered species)
ESTUARINE	OTHER	1.0 (mi) (Phoenix Mtn.)
A. — (mi)	B. — (mi)	ENDANGERED SPECIES:

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. @1.5 (mi)	B. ____ (mi)	C. ____ (mi)	D. <1.0 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The facility is located on a parcel of land surrounded on three sides by the North Fork of the New River. The topography of the area is comprised of large stream cut valleys, steep hillsides and high mountains.

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

EPA Region IV CERCLA & NUS Corp. FIT IV file material.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003167780

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER	5	Compuchem Labs. RTP, N.C. Southwest Labs of OK., Broken Arrow, OK.	
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	11	Compuchem Labs. RTP, N.C. Southwest Labs of OK., Broken Arrow, OK.	
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

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.

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

NUS Corp. FIT # files.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003167780

II. CURRENT OWNER(S) / **PARENT COMPANY** (If applicable)

01 NAME: Sprague Electric Co.	02 D+B NUMBER	08 NAME: General Cable Corp.	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.): Hwy. 194	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY: Hensing; 06 STATE: N.C.	07 ZIP CODE: 28643	12 CITY: Greenwich; 13 STATE: CT	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	12 CITY; 13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	12 CITY; 13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	12 CITY; 13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first) / **IV. REALTY OWNER(S)** (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	05 CITY; 06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	05 CITY; 06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY; 06 STATE	07 ZIP CODE	05 CITY; 06 STATE	07 ZIP CODE

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

EPA Region IV CERCLA files.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003167280

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Sprague Electric Co.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Hwy. 194	

05 CITY	06 STATE	07 ZIP CODE
Fanning	N.C.	28643

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
General Cable Corp.	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE
Greenwich	CT	

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
—	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

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

EPA Region III CERCLA files

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D003162780

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

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

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003167280

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION N/A

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION N/A

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION N/A

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003167780

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown, however site is restricted to employees only.

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION Unknown

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 Region IV CERCLA files.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D003167780

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 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

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride
138. 10421-48-4	Ferric Nitrate
139. 10028-22-5	Ferric Sulfate
140. 10045-89-3	Ferrous Ammonium Sulfate
141. 7758-94-3	Ferrous Chloride
142. 7720-78-7	Ferrous Sulfate
143. 206-44-0	Fluoranthene
144. 50-00-0	Formaldehyde
145. 64-18-6	Formic Acid
146. 110-17-8	Fumaric Acid
147. 98-01-1	Furfural
148. 86-50-0	Guthion
149. 76-44-8	Heptachlor
150. 118-74-1	Hexachlorobenzene
151. 87-68-3	Hexachlorobutadiene
152. 67-72-1	Hexachloroethane
153. 70-30-4	Hexachlorophene
154. 77-47-4	Hexachlorocyclopentadiene
155. 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)
156. 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)
157. 74-90-8	Hydrogen Cyanide
158. 7783-06-4	Hydrogen Sulfide
159. 78-79-5	Isoprene
160. 42504-46-1	Isopropanolamine Dodecylbenzenesulfonate
161. 115-32-2	Kelthane
162. 143-50-0	Kepone
163. 301-04-2	Lead Acetate
164. 3687-31-8	Lead Arsenate
165. 7758-95-4	Lead Chloride
166. 13814-96-5	Lead Fluoborate
167. 7783-46-2	Lead Fluoride
168. 10101-63-0	Lead Iodide
169. 18256-98-9	Lead Nitrate
170. 7428-48-0	Lead Stearate
171. 15739-80-7	Lead Sulfate
172. 1314-87-0	Lead Sulfide
173. 592-87-0	Lead Thiocyanate
174. 58-89-9	Lindane
175. 14307-35-8	Lithium Chromate
176. 121-75-5	Malthion
177. 110-16-7	Maleic Acid
178. 108-31-6	Maleic Anhydride
179. 2032-65-7	Mercaptodimethur
180. 592-04-1	Mercuric Cyanide
181. 10045-94-0	Mercuric Nitrate
182. 7783-35-9	Mercuric Sulfate
183. 592-85-8	Mercuric Thiocyanate
184. 10415-75-5	Mercurous Nitrate
185. 72-43-5	Methoxychlor
186. 74-93-1	Methyl Mercaptan
187. 80-62-6	Methyl Methacrylate
188. 298-00-0	Methyl Parathion
189. 7786-34-7	Mevinphos
190. 315-18-4	Mexacarbate
191. 75-04-7	Monoethylamine
192. 74-89-5	Monomethylamine
193. 300-76-5	Naled
194. 91-20-3	Naphthalene
195. 1338-24-5	Naphthenic Acid
196. 7440-02-0	Nickel
197. 15699-18-0	Nickel Ammonium Sulfate
198. 37211-05-5	Nickel Chloride
199. 12054-48-7	Nickel Hydroxide
200. 14216-75-2	Nickel Nitrate
201. 7786-81-4	Nickel Sulfate
202. 7697-37-2	Nitric Acid
203. 98-95-3	Nitrobenzene
204. 10102-44-0	Nitrogen Dioxide
205. 25154-55-6	Nitrophenol (all isomers)
206. 1321-12-6	Nitrotoluene
207. 30525-89-4	Paraformaldehyde
208. 56-38-2	Parathion
209. 608-93-5	Pentachlorobenzene
210. 87-86-5	Pentachlorophenol
211. 85-01-8	Phenanthrene
212. 108-95-2	Phenol
213. 75-44-5	Phosgene
214. 7664-38-2	Phosphoric Acid
215. 7723-14-0	Phosphorus
216. 10025-87-3	Phosphorus Oxychloride
217. 1314-80-3	Phosphorus Pentasulfide
218. 7719-12-2	Phosphorus Trichloride
219. 7784-41-0	Potassium Arsenate
220. 10124-50-2	Potassium Arsenite
221. 7778-50-9	Potassium Bichromate
222. 7789-00-6	Potassium Chromate
223. 7722-64-7	Potassium Permanganate
224. 2312-35-8	Propargite
225. 79-09-4	Propionic Acid
226. 123-62-6	Propionic Anhydride
227. 1336-36-3	Polychlorinated Biphenyls
228. 151-50-8	Potassium Cyanide
229. 1310-58-3	Potassium Hydroxide
230. 75-56-9	Propylene Oxide
231. 121-29-9	Pyrethrins
232. 91-22-5	Quinoline
233. 108-46-3	Resorcinol
234. 7446-08-4	Selenium Oxide
235. 7761-88-8	Silver Nitrate
236. 7631-89-2	Sodium Arsenate
237. 7784-46-5	Sodium Arsenite
238. 10588-01-9	Sodium Bichromate
239. 1333-83-1	Sodium Bifluoride
240. 7631-90-5	Sodium Bisulfite
241. 7775-11-3	Sodium Chromate
242. 143-33-9	Sodium Cyanide
243. 25155-30-0	Sodium Dodecylbenzene Sulfonate
244. 7681-49-4	Sodium Fluoride
245. 16721-80-5	Sodium Hydrosulfide
246. 1310-73-2	Sodium Hydroxide
247. 7681-52-9	Sodium Hypochlorite
248. 124-41-4	Sodium Methylate
249. 7632-00-0	Sodium Nitrate
250. 7558-79-4	Sodium Phosphate, Dibasic
251. 7601-54-9	Sodium Phosphate, Tribasic
252. 10102-18-8	Sodium Selenite
253. 7789-06-2	Strontium Chromate
254. 57-24-9	Strychnine and Salts
255. 100-420-5	Styrene
256. 12771-08-3	Sulfur Monochloride
257. 7664-93-9	Sulfuric Acid
258. 93-76-5	2,4,5-T Acid
259. 2008-46-0	2,4,5-T Amines
260. 93-79-8	2,4,5-T Esters
261. 13560-99-1	2,4,5-T Salts
262. 93-72-1	2,4,5-TP Acid
263. 32534-95-5	2,4,5-TP Acid Esters
264. 72-54-8	TDE
265. 95-94-3	Tetrachlorobenzene
266. 127-18-4	Tetrachloroethane
267. 78-00-2	Tetraethyl Lead
268. 107-49-3	Tetraethyl Pyrophosphate
269. 7446-18-6	Thallium (I) Sulfate
270. 108-88-3	Toluene
271. 8001-35-2	Toxaphene
272. 12002-48-1	Trichlorobenzene (all isomers)
273. 52-68-6	Trichlorfon
274. 25323-89-1	Trichloroethane (all isomers)
275. 79-01-6	Trichloroethylene
276. 25167-82-2	Trichlorophenol (all isomers)
277. 27323-41-7	Triethanolamine Dodecylbenzenesulfonate
278. 121-44-8	Triethylamine
279. 75-50-3	Trimethylamine
280. 541-09-3	Uranyl Acetate
281. 10102-06-4	Uranyl Nitrate
282. 1314-62-1	Vanadium Pentoxide
283. 27774-13-6	Vanadyl Sulfate
284. 108-05-4	Vinyl Acetate
285. 75-35-4	Vinylidene Chloride
286. 1300-71-6	Xylenol
287. 557-34-6	Zinc Acetate
288. 52628-25-8	Zinc Ammonium Chloride
289. 1332-07-6	Zinc Borate
290. 7699-45-8	Zinc Bromide
291. 3486-35-9	Zinc Carbonate
292. 7646-85-7	Zinc Chloride
293. 557-21-1	Zinc Cyanide
294. 7783-49-3	Zinc Fluoride
295. 557-41-5	Zinc Formate
296. 7779-86-4	Zinc Hydrosulfite
297. 7779-88-6	Zinc Nitrate
298. 127-82-2	Zinc Phenolsulfonate
299. 1314-84-7	Zinc Phosphide
300. 16871-71-9	Zinc Silicofluoride
301. 7733-02-0	Zinc Sulfate
302. 13746-89-9	Zirconium Nitrate
303. 16923-95-8	Zirconium Potassium Fluoride
304. 14644-61-2	Zirconium Sulfate
305. 10026-11-6	Zirconium Tetrachloride