

SITE ASSESSMENT REPORT

**AKT Gravel Pit
Crystal Springs, Mississippi**

Prepared for:

**Kuhlman Electric Corporation
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Crystal Springs, Mississippi 39059**

Prepared by:

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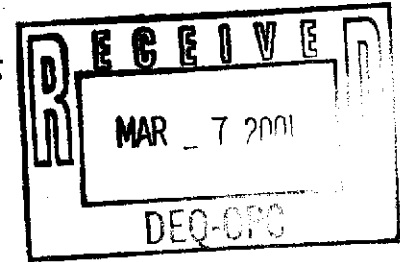
IT Project No. 820327



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A Member of The IT Group



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Crystal Springs, Mississippi**

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1.	AKT Fill Area
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Executive Summary

Kuhlman Electric Corporation (KEC) has contracted IT Corporation (IT) to provide environmental services for the site assessment of the AKT Gravel Pit, located near Crystal Springs, Mississippi. Soil from KEC was placed in the AKT Gravel Pit before it was learned that the soil may contain polychlorinated biphenyls (PCBs).

IT drilled 70 soil borings at a former gravel pit. Soil samples were collected, characterized for lithology, and analyzed for PCBs, polynuclear aromatic hydrocarbons (PAHs), silver, and total cyanide.

A total of 273 soil samples were initially submitted for PCB analyses. Based on the results of the initial PCB analyses, 81 additional soil samples (354 total) were selected for PCB analyses to better define the vertical distribution of PCBs in the soil at the AKT Gravel Pit. Total PCBs were detected in 173 soil samples collected at the AKT Gravel Pit. Of these samples, only 74 samples contained total PCBs at concentrations greater than 1 milligram per kilogram (mg/kg) and only 20 samples contained total PCBs greater than 50 mg/kg.

PAHs were detected in two samples, however, neither silver nor total cyanide were detected in soils at the AKT Gravel Pit at concentrations greater than the method detection limits (MDLs).

Based on the results of the field investigations, the horizontal extent of total PCBs in soils northwest of the sample grid and southwest of the sample grid has not been defined. Additional soil sample data is required to define total PCBs in surface and deep soil at these locations.

1.0 Introduction

KEC has contracted IT to provide environmental services for the site assessment (SA) of the AKT Gravel Pit, located near Crystal Springs, Mississippi. Soil from KEC was placed in the AKT Gravel Pit before it was learned that the soil may contain PCBs.

This site assessment report has been prepared to present specific information and results compiled from the site assessment, including field sampling and analysis activities conducted at the AKT Gravel Pit in Crystal Springs, Mississippi.

1.1 Project Description

IT drilled 70 soil borings near a former gravel pit. Soil samples were collected; characterized for lithology; and analyzed for PCBs, polynuclear aromatic hydrocarbons (PAHs), silver, and total cyanide.

1.2 Purpose and Objectives

The purpose of the site assessment was to determine the presence and the vertical and horizontal extent of soil containing PCBs, PAHs, silver, and total cyanide. Soil characterization and analytical results from the site assessment will provide information for any potential soil removal actions.

1.3 Site Description and History

Figure 1-1 shows the approximate location of the AKT Gravel Pit. Fill material consisting primarily of soil was placed in an open excavation at the AKT Gravel Pit. Figure 1-2 depicts the approximate extent of the AKT Gravel Pit that was filled from multiple sources, including soil from KEC.

During building expansion construction at KEC, soils were transported to the AKT Gravel Pit for fill material. After the transportation of the fill, it was determined that the soil may contain PCBs. Specific information on the gravel pit's dimensions and volume of fill material placed in the gravel pit are as follows:

- The open excavation at AKT, prior to being filled, has been described as being up to 12 feet deep and measuring approximately 315 feet long and 70 feet wide. This excavation volume was approximately 9,769 cubic yards (cy).
- Limited information suggests that 33 dump truck loads of soil fill may have been deposited at AKT from the KEC facility. At an assumed volume of 18 yards per truck, the quantity of soil brought from KEC would equal 594 cy.

Currently, the ground surface at the AKT Gravel Pit slopes slightly to the south and has sparse vegetation. A safety fence has been erected around the fill area (Photograph 1).

2.0 Site Assessment Activities

2.1 Soil Sampling

The soil sampling performed during the site assessment at the AKT Gravel Pit included the collection of surface and subsurface soil samples for chemical analysis from 70 soil borings. The soil boring locations were determined by constructing a 25-foot-by-25-foot sample grid over the former gravel pit. The gridlines trending northwest-southeast were assigned designations alphabetically, while the northeast-southwest trending gridlines were assigned designations numerically. Soil boring locations were placed at the gridline intersections and given alphanumeric designations. Grid points were measured relative to site benchmarks. Soil boring locations are shown on Figure 2-1.

Soil sample designations were assigned by combining the soil boring location designation with the soil sample depth. Therefore, the 4-foot soil sample from the soil boring at alphabetic gridline A and numeric gridline 7 is designated as sample A7-4, where A7 represents the boring location and 4 represents the depth (in feet) below ground surface (bgs).

2.1.1 Soil Sampling Methodology

Surface and subsurface soil samples were collected from 70 soil borings, shown on Figure 2-1, at the AKT Gravel Pit. IT contracted ESN Southeast, Inc., a direct-push technology subcontractor, to assist in soil sample collection.

Sample Collection. The soil borings were advanced and soil samples collected using the direct-push sampling procedures. Surface soil samples were collected by first removing surface debris, such as rocks and vegetation, from the immediate sample area and collecting soil from the ground surface to the upper 3 to 4 inches. Subsurface soil samples were collected from soil borings at 1-foot increments in the unsaturated zone. The samples were analyzed for the parameters outlined in Section 2.4.

Subsurface soil samples were collected to a total depth of 20 feet bgs or until direct-push sampler refusal. Samples were collected in an acetate-lined, direct-push sample barrel. Upon retrieval, the acetate liner was opened and the retrieved material was field screened using a photoionization detector (PID) to measure for volatile organic vapors. The retrieved field material was also described and recorded on the boring logs by the on-site geologist (Appendix A). A sample of each 1-foot interval was collected from the first 12 feet, and packaged for possible analysis. Soil samples were transferred to a clean, stainless steel bowl, where they were homogenized, and a representative portion was placed in a 4-ounce glass jar with a Teflon®-lined cap. Sample containers were placed in a cooler with ice preservative for submittal to the analytical laboratory.

Soil samples collected from 12 to 20 feet bgs were retrieved in two continuous 4-foot long sections of acetate liner and each capped on both ends. The 4-foot long sections were retained for future sample analyses if needed. Only soil samples collected above the groundwater table were submitted for chemical analyses.

At the completion of soil sampling, boreholes were abandoned with hydrated bentonite pellets.

2.2 Equipment Decontamination Procedures

Field sampling equipment and non-sampling equipment were decontaminated following procedures outlined in Section 3.2 of the Work Plan.

2.3 Investigation-Derived Waste Management

Investigation-derived waste (IDW) was managed as outlined in the Work Plan. The IDW generated from the field sampling at the AKT Gravel Pit, was segregated as follows:

- Drill cuttings from direct-push sampler,
- Personal protective equipment (PPE),
- Decontamination liquids.

IDW is stored in four 55-gallon steel U.S. Department of Transportation (DOT) – approved steel drums prior to characterization and final disposal. The drums are labeled and staged inside the fenced area surrounding the former gravel pit. IDW generated during the site assessment will be disposed of during the upcoming soil removal program.

2.4 Sample Preservation, Packaging, and Shipping

Sample preservation, packaging, documentation, and chain-of-custody and shipping records followed procedures specified in the Work Plan.

Completed analysis requests and chain-of-custody records were secured and included with each shipment of sample coolers sent to Advanced Chemistry Labs, Inc. in Atlanta, Georgia.

2.5 Analytical Program

Select soil samples from each boring were analyzed. The surface (0 feet), 4-foot, 8-foot, and 12-foot samples from each boring were initially analyzed for PCBs using Method 8082. At those borings terminated at depths less than 12 feet bgs, only the surface, 4-foot bgs, and 8-foot bgs samples were initially analyzed for PCBs. Therefore, based on direct-push sampler refusal at several locations, a total of 273 soil samples were initially submitted for PCB analyses.

Based on the PCB results of the initial soil analyses, 12 soil samples from the AKT Gravel Pit were selected for analyses for the following parameters:

- PAHs - Method 8270C
- Silver - Method 6010B
- Total Cyanide – Method 9012A

Samples for PAH, silver and total cyanide analyses were selected to represent soil intervals with both high PCB concentrations and low, to non-detected PCB concentrations. Analyses were performed using EPA SW-846 methods.

Because the results of the PID field screening (Appendix A), did not indicate the presence of soils exhibiting elevated PID readings greater than 10 parts per million (ppm), no samples were submitted for volatile organic compound analyses.

Based on the results of the initial PCB analyses, 81 additional soil samples (354 total) were selected for PCB analyses to better define the vertical distribution of PCBs in the soil at the AKT Gravel Pit.

All chemical data were reported via hard copy data packages by the laboratory.

2.6 Data Quality

The field sample results data are presented in Appendix B. The laboratory quality assurance/quality control reports are included in Appendix B. The field samples were collected, documented, handled, analyzed, and reported in a manner consistent with the site assessment Work Plan (IT, December 1, 2000), and standard, accepted methods and procedures.

Data Review. Data review efforts were performed on reported analytical data. Selected results were rejected or otherwise qualified based on the implementation of accepted data review procedures and practices. Based on the results of the data review, the data presented in this report, except where qualified, are usable and thus meet the principle data quality objective of this site assessment.

3.0 Results

3.1 Site Lithology and Groundwater

Seventy soil borings were installed at the AKT Gravel Pit. A summary of boring depths and materials encountered are included in Table 3-1. Direct-push sample refusal was encountered in 18 soil borings at depths ranging from 6 feet bgs at soil boring E1 to 17.5 feet bgs in soil boring A2. The remaining soil borings were terminated at 20 feet bgs. Fill material consisting of coarse sand, some gravel, and asphalt was encountered in the soil borings. Native soil, consisting of poorly sorted, fine to very silty sands, and coarse sands was observed in 12 soil borings at depths ranging from 8.5 to 14 feet bgs.

Groundwater was observed in 38 borings at depths ranging from approximately 10 feet bgs to 20 feet bgs.

3.2 Summary of Analytical Results

The chemical analyses of soil samples collected at the AKT Gravel Pit indicate that PCBs and PAHs have been detected in soils. The following sections and Tables 3-2 and 3-3 summarize the compounds detected in soils at the AKT Gravel Pit. Complete analytical results are presented in Appendix B.

PCBs. Total PCBs were detected in 173 soil samples collected at the AKT Gravel Pit. Sample results are summarized in Table 3-2 and shown on Figure 3-1. Of these samples, only 74 samples contained total PCBs at concentrations greater than 1 mg/kg and only 20 samples contained total PCBs greater than 50 mg/kg. As shown in Table 3-2 and Figure 3-1, soil samples containing total PCBs greater than 1 mg/kg are generally located on the northwestern half of the sample grid. The deepest soil sample containing total PCBs at concentrations greater than 1 mg/kg was from soil boring B7 at a depth of 10 feet bgs. The highest total PCB concentrations were from soil borings B6, C6, C8 and C9 (Figure 3-1). As shown in Appendix A, there were no apparent stains or odors observed in soil samples from these borings. Complete PCB analytical results are included in Appendix B.

PCB-containing soils were encountered in the vadose zone only. Groundwater was encountered at least 5 feet below PCB-containing soils.

PAHs. Twelve soil samples were submitted for PAH analyses. As shown in Table 3-3, PAHs were detected in two samples (B7-8 and B4-4). There were no other samples with PAHs detected. As shown in the boring log from boring B4 (Appendix A), the soil sample submitted from B4 at 4 feet bgs (sample B4-4) consisted of dark, gray sandy silt. The soil sample from boring B7 at 8 feet bgs (sample B7-8) exhibiting slightly elevated concentrations of PAHs, consisted of asphalt fill. Based on a comparison of sample results of PAH compounds summarized in Table 3-3 to total PCB analytical

results shown in Table 3-2, there is no apparent correlation between total PCB concentrations and PAH concentrations in soils at the AKT Gravel Pit. Complete PAH analytical results are included in Appendix B.

Silver and Total Cyanide. Twelve soil samples were submitted for silver and total cyanide analyses. Results of these analyses are summarized in Table 3-3 and indicate that neither silver nor total cyanide were detected in soils at the AKT Gravel Pit at concentrations greater than the MDLs. Complete silver and total cyanide analytical results are included in Appendix B.

3.3 Additional Sampling

Based on the results of the field investigations, the horizontal extent of total PCBs in soil northwest of boring locations B1 and C1, and southwest of boring locations A7 and A8 has not been defined. Additional soil sample data is required to define total PCBs in surface and shallow (1 foot deep) soil northwest of B1 and C1. In addition, soil sample data is required to a minimum of 8 feet bgs southwest of boring locations A7 and A8. Additional soil sampling/boring locations are shown on Figure 3-2.

4.0 References

IT Corporation, December 1, 2000. *Revised Site Assessment Work Plan, AKT Gravel Pit – Kuhlman Electric Corporation, Crystal Springs, Mississippi*

TABLES

Table 3-1
Direct Push Boring Summary
AKT Gravel Pit
Crystal Springs, Mississippi

Boring	Total Depth (feet bgs)	Number of Samples	Depth to water (feet bgs)	Depth to native soil (feet bgs)	Sampler Refusal (feet bgs)
A 1	20	18	NA	12	NA
A 2	17.5	15	NA	12	17.5
A 3	16.5	15	NA	12.5	16.5
A 4	16	14	NA	NA	16
A 5	12	13	NA	NA	12
A 6	20	16	NA	NA	NA
A 7	20	15	19	NA	NA
A 8	20	16	15.5	NA	NA
A 9	20	15	16	NA	NA
A 10	20	16	16	NA	NA
A 11	20	15	15	NA	NA
A 12	11	11	NA	NA	11
A 13	16	15	15.5	NA	NA
A 14	16	14	15.5	NA	NA
B 1	16	14	NA	14.5	16.5
B 2	16	15	15.5	NA	NA
B 3	16	14	NA	11.5	16
B 4	20	16	NA	10.5	NA
B 5	20	15	10*	NA	NA
B 6	16	14	14.5	NA	NA
B 7	16	11	15.5	NA	NA
B 8	16	14	15	NA	NA
B 9	16	15	15	NA	NA
B 10	16	14	15	NA	NA
B 11	11.5	11	NA	NA	11.5
B 12	9	10	NA	NA	9
B 13	16	14	12	NA	NA
B 14	16	15	15.5	NA	NA

Notes:

NA - Not applicable
bgs - below ground surface

Table 3-1
Direct Push Boring Summary
AKT Gravel Pit
Crystal Springs, Mississippi

Boring	Total Depth (feet bgs)	Number of Samples	Depth to water (feet bgs)	Depth to native soil (feet bgs)	Sampler Refusal (feet bgs)
C 1	16	14	14	14	16
C 2	16	14	NA	14	16.5
C 3	16	14	NA	14	16
C 4	20	15	NA	12.5	NA
C 5	20	19	NA	NA	NA
C 6	20	15	16	NA	NA
C 7	16	11	15.5	NA	NA
C 8	16	14	15	NA	NA
C 9	20	15	12	NA	NA
C 10	16	15	15	NA	NA
C 11	20	15	15.5	NA	NA
C 12	20	15	11.5	NA	NA
C 13	20	15	15	NA	NA
C 14	16	14	15.5	NA	NA
D 1	16.5	14	NA	8.5	11.5
D 2	16	14	NA	NA	17
D 3	16	14	NA	NA	16
D 4	20	16	NA	10.5	NA
D 5	20	15	NA	NA	NA
D 6	20	16	16	NA	NA
D 7	20	13	17.5	NA	NA
D 8	20	15	16	NA	NA
D 9	20	15	18.5	NA	NA
D 10	16	15	NA	NA	NA
D 11	20	16	19.5	NA	NA
D 12	20	15	18	NA	NA
D 13	20	15	18.5	NA	NA
D 14	20	16	19	NA	NA

Notes:

NA - Not applicable
bgs - below ground surface

Table 3-1
Direct Push Boring Summary
AKT Gravel Pit
Crystal Springs, Mississippi

Boring	Total Depth (feet bgs)	Number of Samples	Depth to water (feet bgs)	Depth to native soil (feet bgs)	Sampler Refusal (feet bgs)
E 1	6	7	NA	NA	6
E 2	6	7	NA	NA	6
E 3	8	9	NA	NA	8
E 4	12	14	NA	NA	12
E 5	8	10	NA	NA	8
E 6	11.5	13	NA	NA	12
E 7	20	16	NA	NA	NA
E 8	20	15	NA	NA	NA
E 9	20	15	NA	NA	NA
E 10	20	16	NA	NA	NA
E 11	20	15	20	NA	NA
E 12	20	16	19.5	NA	NA
E 13	20	15	18.5	NA	NA
E 14	20	16	19	NA	NA

Notes:

NA - Not applicable
bgs - below ground surface

Table 3-2
Soil PCB Concentration
AKT Gravel Pit
Crystal Springs, Mississippi

Location

A

Location	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Surface	<0.02	<0.02	<0.02	0.24	0.06	<0.02	<0.02	<0.02	0.03	0.02	0.02	0.04	0.07	0.05
1 Foot							0.06							
2 Feet			0.66				0.02							
3 Feet			6.42				0.6							
4 Feet	0.03	0.03	1.13	<0.02	<0.02	<0.02	59.9	<0.02	0.02	<0.02	<0.02	0.21	<0.02	<0.02
5 Feet			<0.02	<0.02			13.7							
6 Feet			<0.02	<0.02			0.02	<0.02						
7 Feet								4.68						
8 Feet	0.07	0.06	0.03	<0.02	<0.02	<0.02	<0.02	3.69	0.12	<0.02	0.1	<0.02	<0.02	<0.02
9 Feet								0.35						
10 Feet								0.11						
12 Feet	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02
16 Feet	0.03													

B

Location	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Surface	9.5	40.6	2.86	20.3	7.17	2.5	4.27	4.03	0.6	0.12	0.27	0.16	0.18	<0.02
1 Foot	2.65	21.3		30.1	19.5									
2 Feet	<0.02	<0.02	42.3	53.1	96.7			2.96						
3 Feet			0.1	21.8	221.6			<0.02						
4 Feet	<0.02	0.05	0.04	67.9	140	63	22.5	0.84	<0.02	<0.02	0.02	<0.02	<0.02	<0.02
5 Feet				3.66	65.8	0.22								
6 Feet				<0.02	0.22	0.59								
8 Feet	<0.02	<0.02	<0.02	0.02	0.07	0.03	16	6.97	0.02	0.02	<0.02	0.04	<0.02	<0.02
9 Feet								12.4						
10 Feet							1.52	<0.02						
11 Feet							0.06	<0.02						
12 Feet	<0.02	<0.02	<0.02	<0.03	<0.02	<0.02	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Bold type indicates concentrations >1 mg/Kg
mg/Kg - milligrams per kilogram

Table 3-2
Soil PCB Concentration
AKT Gravel Pit
Crystal Springs, Mississippi

Location
C

Surface	1.88	50.9	46.1	14.2	45.5	3.2	6.01	0.45	0.03	<0.02	<0.02	<0.02	1.07	0.43
1 Foot	0.46	26.7	64.4	0.14	1.09	1.09	0.14	0.12	0.13	0.13	0.13	0.13	0.49	
2 Feet	<0.02	0.02	<0.02	43.5	7.92	7.92	12.8	0.12	0.13	0.13	0.13	0.13		
3 Feet				20.3	97.9	97.9	85.4	31.6	<0.02	<0.02	<0.02	<0.02		
4 Feet	<0.02	<0.02	0.02	<0.02	16.4	113	41.8	42.1	4.36	<0.02	0.02	0.03	<0.02	<0.02
5 Feet					1.82	0.88	64.7	64.7	64.7	64.7	64.7	64.7		
6 Feet					0.38	279	101	127	127	127	127	127		
7 Feet					153.6	153.6	0.11	0.11	0.11	0.11	0.11	0.11		
8 Feet	<0.02	0.07	<0.02	<0.02	0.03	0.08	0.35	0.57	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
12 Feet	<0.02	<0.02	0.03	<0.02	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
16 Feet					<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

D

Surface	0.06	0.14	70.8	9.15	0.54	7.36	7.52	1	<0.02	<0.02	0.07	0.04	0.07	0.19
1 Foot			19.3	12.8	4.8	123	14	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2 Feet			<0.02	0.59	0.02	0.19	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
3 Feet														
4 Feet	<0.02	<0.02	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
8 Feet	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
12 Feet	<0.02	<0.02	0.04	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

E

Surface	0.22	0.11	0.12	5.77	0.25	0.32	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.22
1 Foot				0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
2 Feet														
4 Feet	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
8 Feet	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
12 Feet	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Bold type indicates concentrations >1 mg/Kg
mg/Kg - milligrams per kilogram

Table 3-3
Soil Analytical Results
PAH, Silver and Total Cyanide
AKT Gravel Pit
Crystal Springs, Mississippi

Sample ID	A8-8	A11-10	D13-4	D11-0	C11-8	C2-0	C7-0	B7-8	C10-4	B4-4	B5-4	C3-8
Sample Date	12/05/00	12/06/00	12/07/00	12/07/00	12/07/00	12/09/00	12/09/00	12/09/00	12/09/00	12/12/00	12/12/00	12/12/00
Analysis (Method)	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Silver (6010B)	mg/Kg	<11.3	<10.4	<11.3	<10.6	<11.8	<11	<10.7	<10.6	<12.2	<11.9	<10.4
Total Cyanide (9012A)	mg/Kg	<1.1	<1	<1.1	<1.1	<1.2	<1.1	<1.1	<1.1	<1.2	<1.2	<1
Polynuclear Aromatic												
Hydrocarbons (8310)												
Acenaphthene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Acenaphthylene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Anthracene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Benzo(a)anthracene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	1.56	<0.35	<0.4	<0.39	<0.34
Benzo(a)pyrene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	1.78	<0.35	0.55	<0.39	<0.34
Benzo(b)fluoranthene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	2.22	<0.35	0.68	<0.39	<0.34
Benzo(g,h,i)perylene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	1.23	<0.35	<0.4	<0.39	<0.34
Benzo(k)anthracene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	1.77	<0.35	0.80	<0.39	<0.34
Chrysene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	2.38	<0.35	0.48	<0.39	<0.34
Dibenzo(a,h)anthracene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Fluoranthene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	4.93	<0.35	<0.4	<0.39	<0.34
Fluorene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Indeno(1,2,3-cd)pyrene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	1.45	<0.35	<0.4	<0.39	<0.34
2-Methylnaphthalene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Naphthalene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	<0.35	<0.35	<0.4	<0.39	<0.34
Phenanthrene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	3.88	<0.35	<0.4	<0.39	<0.34
Pyrene	mg/Kg	<0.37	<0.34	<0.37	<0.35	<0.39	<0.36	3.88	<0.35	0.54	<0.39	<0.34

Results report on dry-weight basis.
Bold print indicates detectable concentrations.
 mg/Kg - milligrams per Kilogram

FIGURES

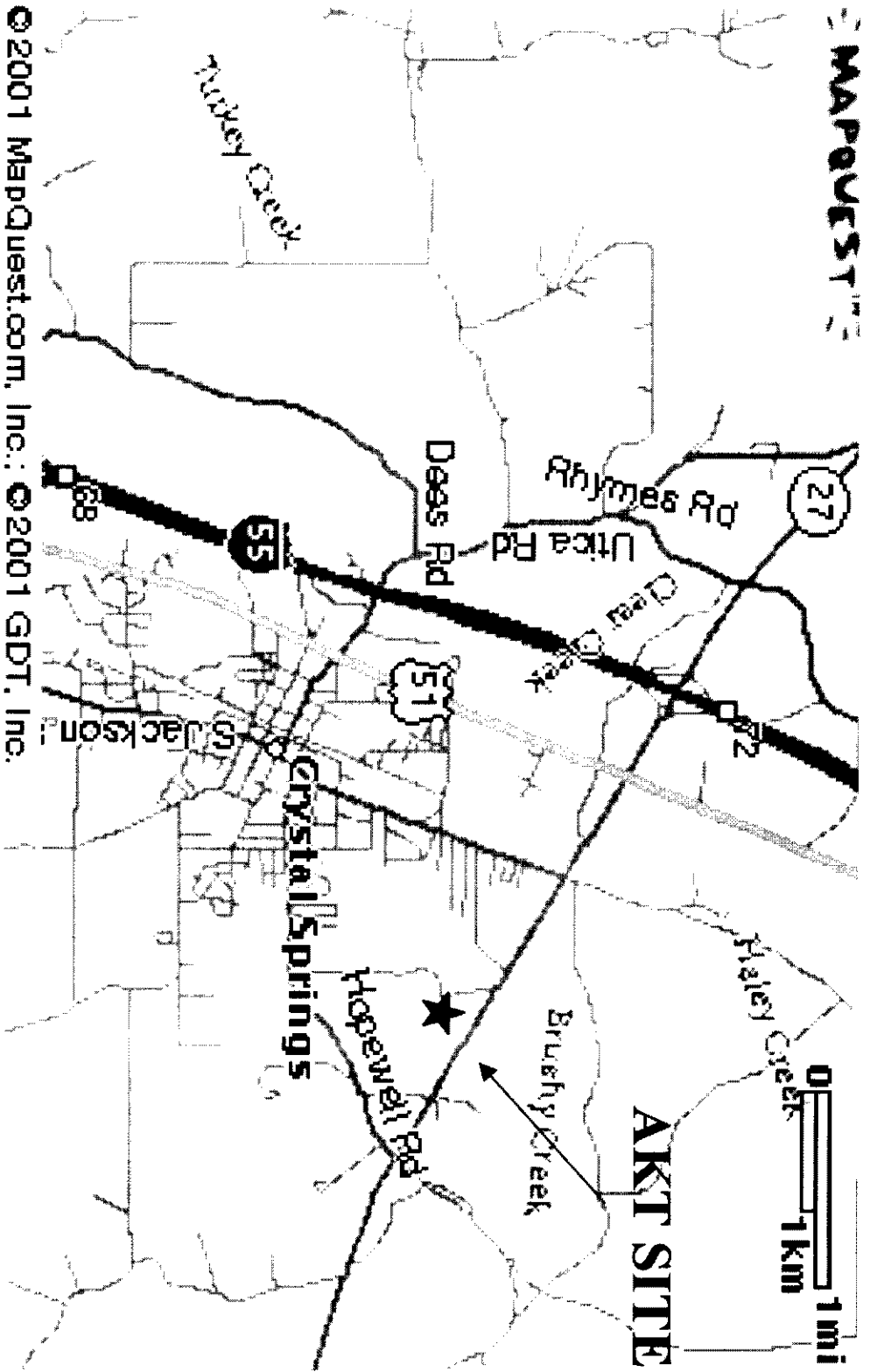


Figure 1-1: AKT Gravel Pit, Crystal Springs, Mississippi

PLOT DATE: 7/2/99
FORMAT REVISION 3/25/99

IMAGE

X-REF

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J. Lange
11/17/00



SITE ROAD

SITE ROAD

SCRAP METAL STORAGE

LEGEND

SOIL BORING LOCATION

FILL AREA

APPROXIMATE FILL LOCATION

SITE ROADS



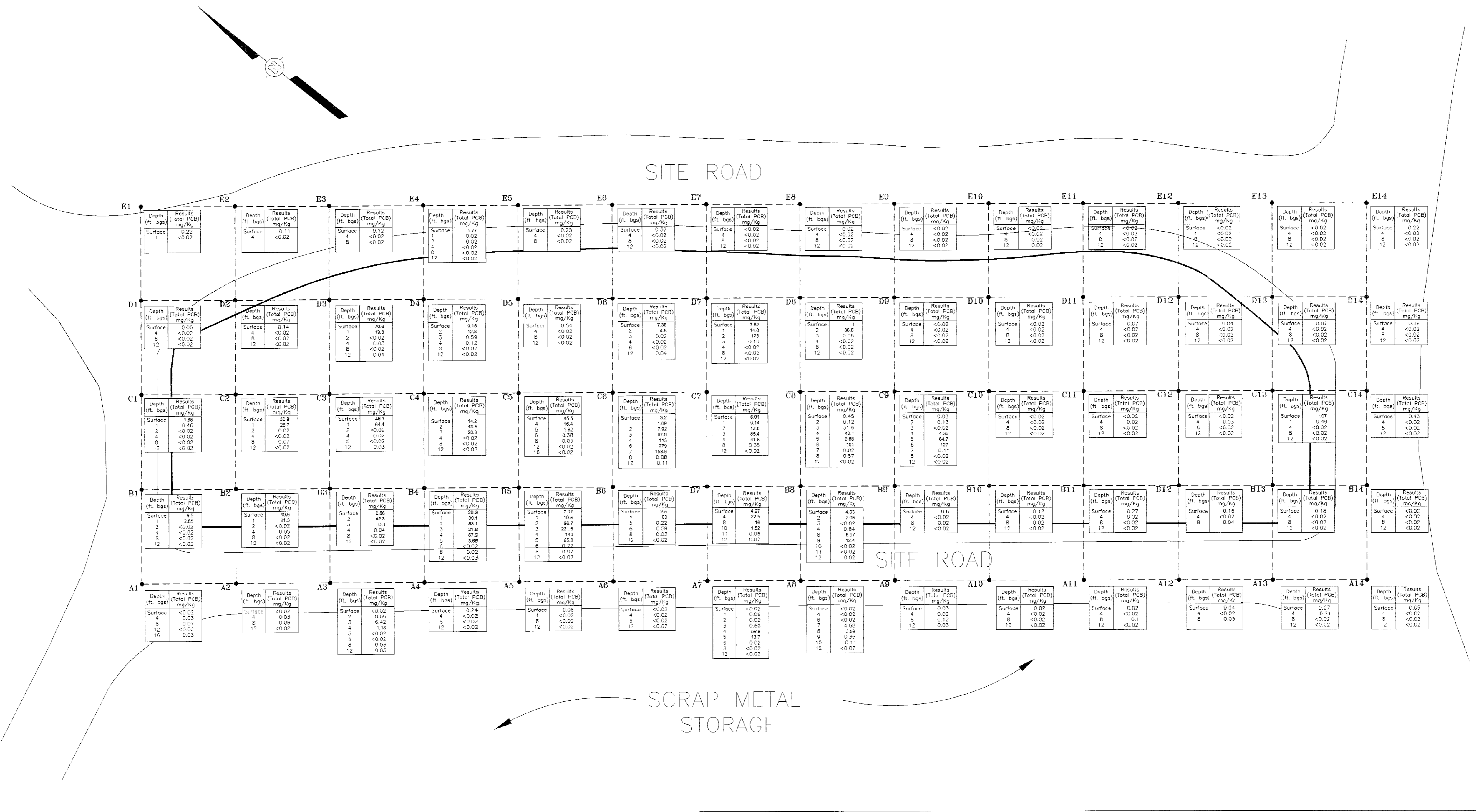
KUHLMAN ELECTRIC CORPORATION
CRYSTAL SPRINGS, MISSISSIPPI

FIGURE 1-2

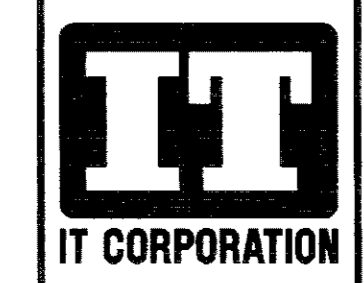
AKT FILL AREA

S C A L E





LEGEND	
A1 •	SOIL BORING LOCATION
-----	25 ft. GRID
—————	APPROXIMATE FILL LOCATION
—————	SITE ROADS
mg/Kg	MILLIGRAMS PER KILOGRAMS
ft. bgs	FEET BELOW GROUND SURFACE
PCB	POLYCHLORINATED BIPHENYLS



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CRYSTAL SPRINGS, MISSISSIPPI

FIGURE 3-1
SITE ASSESSMENT
AKT GRAVEL PIT
TOTAL PCB CONCENTRATIONS

PLOT DATE: 2/2/99
FORMAT REVISION 3/25/99

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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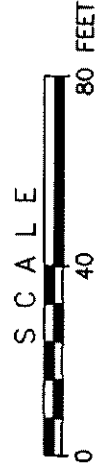
SITE ROAD

SITE ROAD

SCRAP METAL STORAGE

LEGEND

- SOIL BORING LOCATION
- 25 ft. GRID
- APPROXIMATE FILL LOCATION
- SITE ROADS



KUHLMAN ELECTRIC CORPORATION
CRYSTAL SPRINGS, MISSISSIPPI

FIGURE 2-1

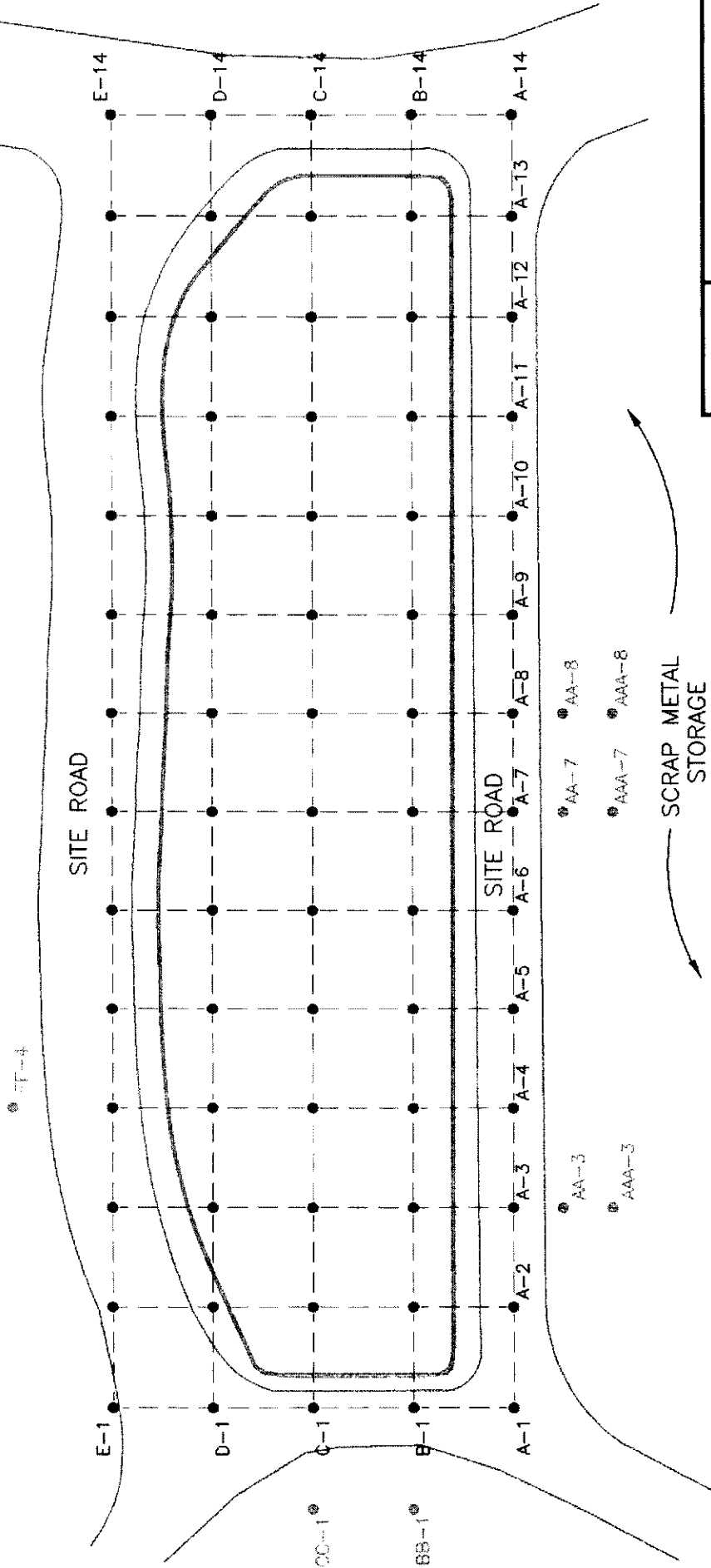
AKT FILL AREA GRID MAP

PLOT DATE: 7/7/99
 FORMAT REVISION 3/25/99

IMAGE X-REF

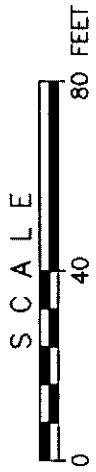
 DRAWING NUMBER 820327-FIG3A

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11/17/00			



LEGEND

- SOIL BORING LOCATION
- ADDITIONAL BORING LOCATIONS
- 25 ft. GRID
- APPROXIMATE FILL LOCATION
- SITE ROADS



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 CRYSTAL SPRINGS, MISSISSIPPI

FIGURE 3-2
 AKT FILL AREA GRID MAP
 ADDITIONAL BORING LOCATIONS

PHOTOGRAPH