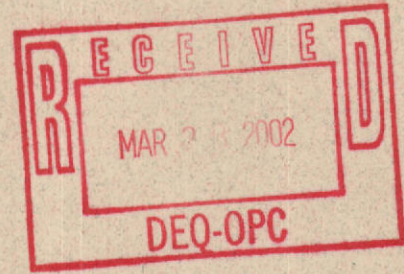


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SITE REMEDIATION REPORT

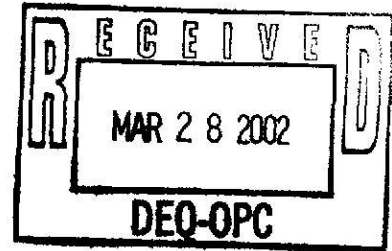
**Frazier Property
405 Lee Avenue
Crystal Springs, Mississippi**

Prepared for

BorgWarner Inc.

February 2002

FILE COPY



SITE REMEDIATION REPORT

**Frazier Property
405 Lee Avenue
Crystal Springs, Mississippi**

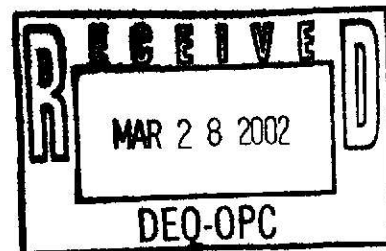
Prepared for

BorgWarner Inc.

February 2002

SITE REMEDIATION REPORT

Frazier Property
405 Lee Avenue
Crystal Springs, Mississippi



Prepared for

BorgWarner Inc.

FILE COPY

Prepared by

MARTIN&SLAGLE GeoEnvironmental Associates, LLC
PO Box 1023
Black Mountain, North Carolina

February 2002

A handwritten signature in cursive script, appearing to read "Robert L. Martin", written over a horizontal line.

Robert L. Martin, P.G.
Project Manager

A handwritten signature in cursive script, appearing to read "Christine E. Slagle", written over a horizontal line.

Christine E. Slagle
Senior Scientist

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SITE REMEDIATION REPORT

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405 Lee Avenue
Crystal Springs, Mississippi**

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SECTION 1.0 EXECUTIVE SUMMARY

The soil on the Frazier property, located at 405 Lee Avenue, Crystal Springs, Mississippi, and consisting of approximately 0.45 acres, was found to contain concentrations of polychlorinated biphenyls (PCBs) during sampling events conducted in August 2000. The concentrations in the south portion of the property along Lee Avenue exceeded the standard of 1.0 mg/kg established by Mississippi Department of Environmental Quality (MDEQ) for PCBs in soils on residential properties.

Surficial soil containing concentrations of PCBs in excess of 1.0 mg/kg was located in the front yard of the Frazier property adjacent to the north edge of Lee Avenue. During the site assessment, a total of 112 soil samples from 47 different locations were collected from the site and analyzed. Five samples had concentrations of PCBs ranging from 1.1 to 3.7 mg/kg.

Soil containing concentrations of PCBs in excess of 1.0 mg/kg was remediated by removal and replacement with clean soil. Impacted soil was excavated to the property lines common with Lee Avenue and the Kuhlman Electric Corporation's (KEC) plant property and disposed of in the BFI "Little Dixie" Subtitle D landfill in accordance with all applicable state and federal regulations.

It was necessary to remove soil from around the roots of a rose bush on the east side of the Frazier's driveway. The roots were decontaminated using an "Air-Shovel™" pressure washer/vacuum system. Contaminated soil was removed by the pressure washer, vacuumed into a tank, properly disposed of, and replaced with clean backfill. Contaminated soil was disposed of in the BFI "Little Dixie" Subtitle D landfill in accordance with all applicable state and federal regulations.

Confirmatory soil samples were collected following excavation to confirm that impacted soil had been removed. A total of 11 excavation floor samples and 27 sidewall samples

were collected following removal of impacted soil. All soil samples were collected and managed in accordance with USEPA Region IV Environmental Investigation Standard Operating Procedure and Quality Assurance Manual (EISOPQAM) protocols.

An area approximately 1052 ft² was excavated to an average depth of 1.5 feet below ground surface (bgs). Excavation continued until on-site laboratory analytical results confirmed that all soil containing concentrations of PCBs exceeding the residential cleanup thresholds was removed. The analytical results indicate that all soil containing PCB concentrations of 1.0 mg/kg or greater were removed from the Frazier property. After analytical results confirmed that the remediation objective was met, the excavation area was backfilled with analytically confirmed clean soil. The surface of the remediation area was covered with fresh sod.

On April 28, 2001 the Frazier property was effectively remediated by removal of soil containing PCB concentrations in excess of 1.0 mg/kg in accordance with MDEQ established cleanup criteria and supervision. Controls were also incorporated for dust and stormwater run-off potential during and after completion of remediation activities. Based on the MDEQ criteria, no further action is warranted at the Frazier property.

SECTION 2.0 INTRODUCTION

The soil on the Frazier property was found to contain concentrations of polychlorinated biphenyls (PCBs) during sampling events conducted in August 2000. The concentrations, in some areas of the property, exceeded the standard of 1 mg/kg established by MDEQ for PCBs in soils on residential properties. The soil containing concentrations of PCBs in excess of 1 mg/kg was remediated by removal and replacement with clean soil. This report describes the remediation process and results of soil analytical results. The report also includes maps showing sample locations and the areas of remediation.

2.1 Background

The KEC facility was constructed and has been operated as a transformer manufacturing plant since the 1950s by KEC or its predecessor, a corporate entity also named Kuhlman Electric Corporation. KEC continued to own and operate the plant in March 1999 when BorgWarner Inc. purchased Kuhlman Corporation, the parent of KEC, and thereafter as well. Seven months later, on October 1, 1999, BorgWarner and Kuhlman Corporation sold KEC's stock to KEC Acquisition Corporation. BorgWarner and Kuhlman Corporation indemnified KEC, KEC Acquisition Corporation and their affiliates for historic contamination at the site and may, under the purchase agreement, control any remediation of such contamination. None of BorgWarner, Kuhlman Corporation or KEC Acquisition Corporation has ever owned or operated the plant.

During routine construction activities at KEC's plant in Crystal Springs, Mississippi, construction personnel encountered soil that had been impacted by unknown chemicals. KEC reported that construction activities were immediately halted, and two soil samples were collected by representatives of KEC and sent to an independent laboratory for analysis. KEC reported the detection of PCB in the stained soils, along with various chlorinated benzenes.

On April 19, 2000, BorgWarner received notification from KEC in accordance with the purchase agreement that areas of contaminated soil had been found in Crystal Springs, Mississippi. BorgWarner responded by sending a representative to meet with KEC plant representatives and a representative from Mississippi Department of Environmental Quality (MDEQ), Eric Dear, on April 25, 2000. During this meeting all parties were briefed on the existing situation at the plant and MDEQ's expectations regarding assessment of the site.

In May 2000, a preliminary assessment of the KEC property was conducted. The goal of this preliminary assessment was to:

- Determine the character and concentration of the contaminants in various environmental media on-site,
- Determine if contaminants might have migrated from the site, and,
- Identify and conduct any immediate response actions necessary to eliminate public exposure to the contaminants.

The results of the preliminary assessment indicated a likelihood that PCBs had migrated off site and on to adjacent residential properties. An assessment of the adjacent properties was initiated and remedial activities were completed on seven properties, including the Frazier property with confirmed concentrations of PCBs exceeding the residential cleanup thresholds.

2.2 Site Description

The Frazier property is located at 405 Lee Avenue, Crystal Springs, Mississippi and consists of approximately 0.5 acres. The site includes a two-story wood frame house that covers about 10% of the property (Figure 2). The property is located just west of the KEC parking lot. The Frazier property is generally flat and shares both its eastern and northern boundary with the KEC plant property. PCB concentrations exceeding the residential cleanup thresholds were found only in the grassy area adjacent to Lee Avenue.

2.3 Previous Investigative Activities

The initial investigation of the Frazier property occurred on August 25, 2000. A total of 112 soil samples were collected in 47 locations from depths of 0.5 feet to 4 feet below ground surface (bgs) at each location. Samples were collected using a direct-push soil sampler. A detailed description of sampling techniques used during the assessment is included in the *Preliminary Site Characterization Report* (Ogden 2000).

Samples were analyzed using an on-site laboratory for PCBs using a modified EPA Method 8080. Ten percent of the samples were split by the field geologist for confirmation analysis by the fixed-base laboratory, Paradigm Analytical Labs (Paradigm) located in Wilmington, North Carolina. All sampling was performed in accordance with EPA Region IV Environmental Investigation Standard Operating Procedures and Quality Assurance Manual (EISQAM).

The results of laboratory analysis of the soil samples confirmed the presence of PCBs in five shallow soil samples (DP-512, DP-513, DP-545, DP-564, and DP-566) above the residential cleanup threshold.

Remedial activities were conducted between April 16 and May 4, 2001. Impacted soil was excavated from open areas of the yard and from around the roots of a bush using an “Air-Shovel™” pressure washer/vacuum system. Contaminated soil removed by the pressure washer was vacuumed into a tank and transferred to a roll-off box located on the KEC property. Soil removal continued until on-site laboratory analytical results confirmed that all soil containing concentrations of PCBs exceeding the residential cleanup thresholds established by MDEQ was removed.

SECTION 3.0 SAMPLING PROGRAM – LOCATION AND RATIONALE

Remediation of the Frazier property, on Lee Avenue, began on April 16, 2001. Remediation of this property involved removal by excavation and disposal of all soil containing PCB concentrations of 1.0 mg/kg or greater in accordance with MDEQ's established cleanup criteria for residential properties and MDEQ supervision. All soils containing greater than 1 mg/kg of PCB concentrations were profiled and disposed of at the BFI's "Little Dixie", Subtitle "D" Landfill in Madison County, Mississippi after MDEQ and US EPA approvals were obtained.

Following excavation, all excavated areas were sampled to confirm that impacted soil was removed. In correspondence regarding disposal requirements, Craig Brown, of US EPA Region IV, stated that the excavated soils did not meet the definition of "PCB remediation waste." Under this definition, the remediation activities fell under the management criteria and guidelines set by MDEQ. Remediation was based on criteria established in the *State of Michigan Department of Environmental Quality, Waste Management Division, Guidance Document, Verification of Soil Remediation, April 1994, Revision 1*, as adopted by Mississippi DEQ for use on remediation projects of this nature.

The guidance document provides a procedure for establishing a soil-sampling grid for confirmation that cleanup goals were met or were exceeded. The procedure applies to sites with a surface area less than 10,890 square feet. The procedure involves a biased approach to sampling, i.e. collecting samples from the point of a known release, such as a tank leak or surface spill. The remediation area of the excavation floor is approximately 925 ft². The area of the sidewall surrounding excavation is 435 ft². The guidance defined the minimum number of floor samples for this size of site to be three and the minimum number of sidewall samples to be four.

A total of 11 floor samples and 27 sidewall samples were collected following removal of soil to a depth of approximately 1.5 feet. All samples were collected in accordance with EPA Region IV EISOPQAM. Sample locations are shown in Figure 2. One duplicate sample was collected for laboratory quality assurance. The analytical results indicate that all soil containing PCB concentrations of 1.0 mg/kg or greater was removed from the Frazier property. Table 1 contains all analytical results, including those that confirm remediation. Appendix 1 contains data sheets of all samples collected during the remediation process.

A total of five environmental soil samples were collected from directly beneath the curb and gutter along Lee Avenue to determine if PCBs were present beyond the grassed area and under the street. No concentrations of PCBs detected in these samples exceeded the residential standard.

SECTION 4.0 ANALYTICAL PROGRAM

All soil samples were collected and managed in accordance with USEPA Region IV EISOPQAM protocols. Samples were collected using clean sampling equipment. Equipment rinseate samples were collected and analyzed to confirm the effectiveness of the decontamination procedures.

Each sample was assigned a unique sample identification designation in accordance with the labeling requirements under section 3.2.1 of the EISOPQAM. Field records were kept in accordance with procedures specified in section 3.5 of EISOPQAM. The sample identification designation, date, and time of collection was recorded in the field book and on the chain of custody form for cross-referencing.

Upon collection, samples were placed in 4 oz amber glass jars, and the jars were transferred to a small sample cooler. Field personnel delivered samples to the on-site lab several times each day. Upon arrival at the on-site lab, the samples were transferred to the ECCS sample custodian who logged each sample on ECCS chain of custody forms. Each sample was assigned a unique ECCS internal ID for tracking purposes. After analysis, the samples were transferred to either a sample refrigerator in the on-site lab or stored in coolers until they were either sent to Paradigm for confirmation analysis or disposed of on-site. Chain of custody forms were completed for all samples packaged and shipped to Paradigm for confirmation analysis. Chain of Custody forms are included in Appendix 2.

Analytical Methods

For analysis of samples in the on-site lab, ECCS used EPA 8082m, modified for the mini-extraction.

Paradigm Analytical also used EPA 8082 for quantitation of PCBs.

SECTION 5.0 REMEDIATION AND DISPOSAL

Remediation of the Frazier property, on Lee Avenue, began on April 16, 2001. Remediation of this property involved removal of soil between the driveway and the eastern Frazier-Kuhlman property line, south of the house along Lee Avenue, and a section in front of the house and east of the front steps. Disposal of all soil containing PCB concentrations of 1.0 milligram per kilogram (mg/kg) or greater was conducted in accordance with MDEQ's supervision and established clean-up criteria for residential properties. All soils containing concentrations greater than 1 mg/kg PCBs were profiled and disposed of at the BFI's "Little Dixie" Subtitle D Landfill in Madison County, Mississippi after MDEQ and US EPA approvals were obtained.

Some of the soil containing concentrations of PCBs in excess of 1.0 mg/kg was located around the roots of a bush located east of the house near the Frazier-Kuhlman property line. Impacted soil was removed from around bush's roots using an "Air-Shovel™" pressure washer/vacuum system. Contaminated soil removed by the pressure washer was vacuumed into a tank and transferred to a roll-off box located on the KEC property. Soil removal continued until on-site laboratory analytical results confirmed that all soil containing concentrations of PCBs exceeding the residential cleanup criteria established by MDEQ was removed.

The slurry of water and soil created during contamination removal was solidified by mixing the slurry with "ASTROGEL", a sorbent material consisting of polyacrylamide and sodium polyacrylate copolymer produced by Astro American Chemical Co, Inc., and properly disposed. The solidified soil/water slurry was disposed of in the BFI "Little Dixie" Subtitle D landfill located in Ridgeland, Mississippi in accordance with all applicable state and federal regulations. A total of 69.71 tons of waste was disposed at the landfill. Waste disposal manifests are included in Appendix 3. Confirmatory soil samples were collected following excavation to confirm that impacted soil was removed. If confirmation samples had concentrations greater than 1 mg/kg PCB's, additional soil

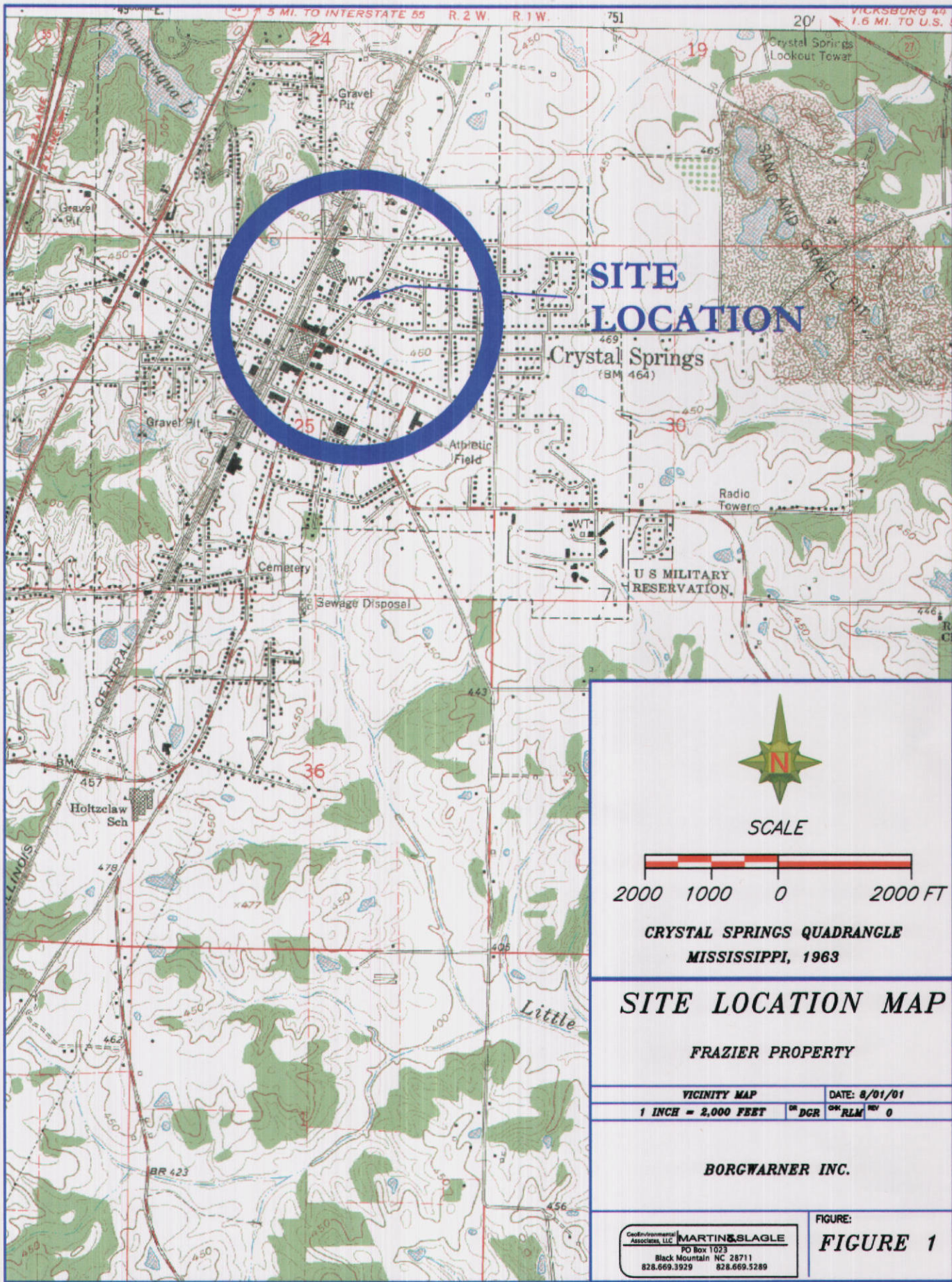
was excavated and a new sample was collected directly beneath the previous non-conforming sample. Adding the suffix “-02” to the original sample number, e.g. JEP-EFS-002-02 designated the new samples collected beneath the previously non-conforming sample. If the new sample contained less than 1 mg/kg PCB, then excavation ceased.

After confirmation results indicated that the remediation objective was met, the excavation was backfilled with analytically confirmed clean soil. The surface of the remediation area was covered with fresh sod and ornamental plants were replaced. Photographs showing details of remediation are included in Appendix 4.

SECTION 6.0 SUMMARY AND CONCLUSIONS

On May 7, 2001 the Frazier property was effectively remediated by removal and proper disposal of soil containing PCB concentrations of 1 mg/kg or greater in accordance with the MDEQ established residential property cleanup criteria and supervision. Confirmation sampling in the impacted area was performed in accordance with applicable state requirements to demonstrate that the remediation goals were met.

Based on the MDEQ criteria no further action is warranted at the Frazier property.



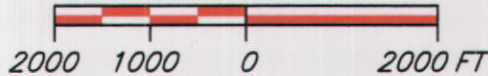
**SITE
LOCATION**

Crystal Springs
(BM 464)

U S MILITARY
RESERVATION



SCALE



CRYSTAL SPRINGS QUADRANGLE
MISSISSIPPI, 1963

SITE LOCATION MAP

FRAZIER PROPERTY

VICINITY MAP DATE: 8/01/01
1 INCH = 2,000 FEET OR DGR OR RLM REV 0

BORGWARNER INC.

GeoEnvironmental Associates, LLC **MARTIN & SLAGLE**
PO Box 1023
Black Mountain NC 28711
828.669.3929 828.669.5289

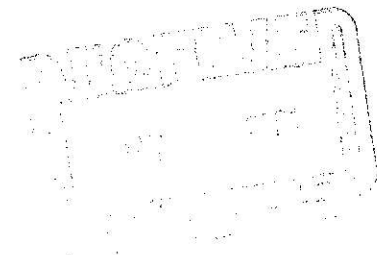
FIGURE:
FIGURE 1

**TABLE 1
SUMMARY OF DATA SHOWING CONFIRMATION OF REMEDIATION
FRAZIER PROPERTY**

				Field Laboratory		Fixed Laboratory	
Field Lab Sample ID	Sample ID	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Date Analyzed	Concentration (mg/kg)
1924	KFP-ESS-001	4/25/2001	1322	4/25/2001	<0.20		
1925	KFP-ESS-002	4/25/2001	1324	4/25/2001	<0.20		
1926	KFP-ESS-003	4/25/2001	1327	4/25/2001	<0.20		
1927	KFP-ESS-004	4/25/2001	1330	4/25/2001	<0.20		
1928	KFP-ESS-005	4/25/2001	1333	4/25/2001	0.43		
1929	KFP-ESS-006	4/25/2001	1335	4/25/2001	1.1	5/7/2001	<0.180
1930	KFP-ESS-007	4/25/2001	1345	4/25/2001	7.8		
1932	KFP-EFS-001	4/25/2001	1400	4/25/2001	<0.20		
1933	KFP-EFS-002	4/25/2001	1402	4/25/2001	<0.20		
1934	KFP-EFS-003	4/25/2001	1405	4/25/2001	<0.20		
1935	KFP-EFS-004	4/25/2001	1440	4/25/2001	<0.20		
1936	KFP-ESS-008	4/25/2001	1425	4/25/2001	<0.20		
1937	KFP-ESS-009	4/25/2001	1427	4/25/2001	<0.10		
1938	KFP-ESS-010	4/25/2001	1430	4/25/2001	<0.10	5/7/2001	<0.190
1939	KFP-ESS-011	4/25/2001	1435	4/25/2001	<0.10		
1940	KFP-ESS-012	4/25/2001	1440	4/25/2001	<0.20		
1941	KFP-ESS-013	4/25/2001	1730	4/25/2001	<0.20		
1942	KFP-ESS-014	4/25/2001	1738	4/25/2001	<0.20		
1943	KFP-ESS-015	4/25/2001	1740	4/25/2001	3.3	5/7/2001	0.460
1944	KFP-ESS-016	4/25/2001	1742	4/25/2001	<0.10		
1945	KFP-ESS-017	4/25/2001	1745	4/25/2001	<0.10		
1946	KFP-ESS-018	4/25/2001	1747	4/25/2001	<0.10		
1947	KFP-EFS-005	4/25/2001	1750	4/25/2001	0.21		
1948	KFP-EFS-006	4/25/2001	1754	4/25/2001	0.15	5/7/2001	<0.180
1949	KFP-EFS-007	4/25/2001	1757	4/25/2001	<0.20		
1950	KFP-ESS-019	4/26/2001	1310	4/26/2001	<0.20		
1951	KFP-ESS-020	4/26/2001	1312	4/26/2001	<0.20	5/11/2001	<0.200
1952	KFP-ESS-021	4/26/2001	1315	4/26/2001	<0.20		
1953	KFP-ESS-022	4/26/2001	1318	4/26/2001	0.84		
1954	KFP-EFS-008	4/26/2001	1303	4/26/2001	<0.10		
1955	KFP-EFS-009	4/26/2001	1305	4/26/2001	<0.20		
1957	KFP-ESS-023	4/26/2001	1400	4/26/2001	0.36		
1958	KFP-ESS-024	4/26/2001	1405	4/26/2001	1	5/7/2001	0.320
1959	KFP-ES-001	4/26/2001	1630	4/26/2001	0.22		
1960	KFP-ES-002	4/26/2001	1636	4/26/2001	0.95		
1961	KFP-ES-003	4/26/2001	1657	4/26/2001	<0.20		
1962	KFP-ES-004	4/26/2001	1703	4/26/2001	0.49		
1963	KFP-ES-005	4/26/2001	1710	4/26/2001	0.81		
2091	KFP-EFS-010	5/4/2001	1502	5/4/2001	<0.10	5/15/2001	<0.190
2092	KFP-ESS-025	5/4/2001	1507	5/4/2001	<0.10	5/15/2001	0.320
2100	KFP-EFS-011	5/7/2001	1715	5/7/2001	<0.10	5/15/2001	<0.200
2101	KFP-ESS-026	5/7/2001	1722	5/7/2001	0.12	5/15/2001	<0.200
2102	KFP-ESS-027	5/7/2001	1725	5/7/2001	<0.10		

May 25, 2001

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711



Dear Mr. Martin,

Enclosed is the final Technical Memorandum for work recently completed at the former Borg Warner and current Kuhlman Electric facility at 405 Lee Street in Crystal Springs, Mississippi. If you have any questions concerning this information, please give me a call.

Sincerely,

Richard Johnson

Enclosure

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

Technical Memorandum

**Frazier Property
405 Lee Street
Crystal Springs, Mississippi**



TECHNICAL MEMORANDUM

May 25, 2001

To: Robert Martin
Martin & Slagle, LLC

From: Richard Johnson
ECCS, Inc.

Rey

Re: Field Analytical Methods – QC Summary
Remediation at 405 Lee Street
Crystal Springs, Mississippi

INTRODUCTION

This Technical Memorandum provides documentation of the field analytical test methods used to analyze soil samples collected during a remediation episode, April 25 and 26, 2001, May 4, 2001 and May 7, 2001 around the former Borg Warner and current Kuhlman Electric facility at 405 Lee Street in Crystal Springs, Mississippi. Soil samples were analyzed for polychlorinated biphenyls (PCBs) by gas chromatography (GC) in accordance with ECCS's Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure. A summary of test results for the episode is provided in Table 1.

The PCB mini-extraction procedure is based on the existing EPA SW846 method 8082/8141. The procedure incorporates all the quality control rigors of the full 8082 method including quantification based on 6-point calibration with continuing calibration verification, surrogate method performance monitoring, method blanks, laboratory control samples (LCS), and matrix spike/matrix spike (MS/MSD) duplicate samples. As such, you should consider these test results as comparable to what you would get from a fixed-based laboratory using the more-widely accepted extraction procedure.

The primary project objective of the sampling and testing episode was to delineate the PCB contamination around the site using the accelerated site characterization approach. The mobile laboratory was required to provide data as quickly as possible to keep the excavation process on track while trying to maintain a goal of Level Three data quality.

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

CASE NARRATIVE

During the four day episode, 47 samples were collected and analyzed. To maintain rapid turnaround and to meet the project objective, two GCs were operated on a nearly continuous basis.

Quality control including proper calibration, continuing calibration verification, surrogates, method blanks, laboratory control samples and matrix spike/matrix spike duplicate samples was performed at the method-specified intervals. Overall quality of the data is very good. The following quality related issues should be noted:

1. Quality control data are found in Table 2.
2. All blanks, LCS's, MS and MSD's were within acceptable limits.
3. All surrogate recoveries for reported data were within acceptable limits.
4. All samples were analyzed within 14 days of sampling.
5. Due to elevated moisture content of many of the samples, the following steps were taken to ensure the samples were dry prior to analysis. Additional sodium sulfate had to be added resulting in addition of a larger volume of solvent. This did not affect the limit of quantitation. A smaller aliquot (2 grams) of sample was used resulting in raising the limit of detection to 0.20 mg/kg. This occurred for many of the samples.

METHOD SUMMARY

This method employs a mini-extraction procedure and gas chromatography analysis for the detection of PCBs. Reporting limits are provided in the results Tables. Four grams of sample are dried with anhydrous sodium sulfate and extracted with eight mLs of 80/20 iso-octane/acetone. The extract is then analyzed by Gas Chromatography-Electron Capture Detector (GC-ECD).

Procedure

1. Standards Preparation - Primary standards are prepared from a solution purchased from various vendors at Certified concentrations. Stock standards are prepared in suitable solvents and stored in a freezer when not in use. Secondary standards are prepared in 80/20 iso-octane/acetone and stored in a freezer when not in use. Standard curve mixes for this project were prepared at six concentrations: PCBs – 0.05, 0.10, 0.20, 0.50, 1.0 and 2.0 ug/mL

2. Sample Preparation - SOILS: Each sample or quality control sample is prepared in identical fashion. Approximately four grams of silica sand (blanks and control spikes) or sample is transferred into a clean scintillation vial. Four grams of anhydrous sodium sulfate are added to the vial and mixed well. Extra sodium sulfate is added when necessary to assure the sample is dried. A surrogate, spike compound mix (if necessary) and eight mLs of 80/20 iso-octane/ acetone are added to the vial. The vial is shaken for 30 seconds, allowed to settle for 2 minutes, shaken again for 30 seconds, and allowed to settle for 10 minutes. If sample is colored the extract is cleaned-up using concentrated sulfuric acid. An aliquot of the extract is transferred to an autosampler vial.

3. GC-ECD Analysis - A sample aliquot is injected into an HP5890 GC with an ECD linked to an HP ChemStation for data processing. PCBs were identified by matching retention times of standards to the same retention time in the sample. Regression analysis was performed on each of the selected peak's height verses concentration of the standard using a LN/LN transformed linear regression. For PCBs nine peaks were selected for quantification. The ug/mL value for each peak was added together and divided by the number of peaks selected to obtain the total PCB ug/mL result. If an interference occurred at any of the peaks, these peaks were not included in the total, and the divisor was reduced accordingly.

4. Quality Control - Quality control consisted of the following items:

- Continuing calibration standards analyzed every ten samples or less and at the end of a run.
- Blank and LCS samples analyzed every twenty sample or less with a minimum of one per day.
- MS/MSD samples analyzed every twenty samples or less with a minimum of one per day.
- Information is documented in logbook 40 and daily run sheets.
- Blind duplicate samples were collected in the field and analyzed by the mobile laboratory.

5. Instrument Conditions - Two HP5890 gas chromatographs were equipped with RTX-35 capillary columns. Each system had a Leap Technologies A200S auto-sampler and both were linked to an HP ChemStation for data handling.

Table 1
Frazier Property
405 Lee Street
Crystal Springs, Mississippi
PCB Concentrations Detected in Soil

					Field Laboratory	
Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)
1924	KFP-ESS-001		25-Apr-01	13:22	25-Apr-01	< 0.20
1925	KFP-ESS-002		25-Apr-01	13:24	25-Apr-01	< 0.20
1926	KFP-ESS-003		25-Apr-01	13:27	25-Apr-01	< 0.20
1927	KFP-ESS-004		25-Apr-01	13:30	25-Apr-01	< 0.20
1928	KFP-ESS-005		25-Apr-01	13:33	25-Apr-01	0.43
1929	KFP-ESS-006		25-Apr-01	13:35	25-Apr-01	1.1
1930	KFP-ESS-007		25-Apr-01	13:45	25-Apr-01	7.8
1931	DUP 4/25/01		25-Apr-01		25-Apr-01	< 0.20
1932	KFP-EFS-001		25-Apr-01	14:00	25-Apr-01	< 0.20
1933	KFP-EFS-002		25-Apr-01	14:02	25-Apr-01	< 0.20
1934	KFP-EFS-003		25-Apr-01	14:05	25-Apr-01	< 0.20
1935	KFP-EFS-004		25-Apr-01	14:40	25-Apr-01	< 0.10
1936	KFP-ESS-008		25-Apr-01	14:25	25-Apr-01	< 0.20
1937	KFP-ESS-009		25-Apr-01	14:27	25-Apr-01	< 0.10
1938	KFP-ESS-010		25-Apr-01	14:30	25-Apr-01	< 0.10
1939	KFP-ESS-011		25-Apr-01	14:35	25-Apr-01	< 0.10
1940	KFP-ESS-012		25-Apr-01	17:30	25-Apr-01	< 0.20
1941	KFP-ESS-013		25-Apr-01	17:35	25-Apr-01	< 0.20
1942	KFP-ESS-014		25-Apr-01	17:38	25-Apr-01	< 0.20
1943	KFP-ESS-015		25-Apr-01	17:40	25-Apr-01	3.3
1944	KFP-ESS-016		25-Apr-01	17:42	25-Apr-01	< 0.10
1945	KFP-ESS-017		25-Apr-01	17:45	25-Apr-01	< 0.10
1946	KFP-ESS-018		25-Apr-01	17:47	25-Apr-01	< 0.10
1947	KFP-EFS-005		25-Apr-01	17:50	25-Apr-01	0.21
1948	KFP-EFS-006		25-Apr-01	17:54	25-Apr-01	0.15
1949	KFP-EFS-007		25-Apr-01	17:57	25-Apr-01	< 0.20
1950	KFP-ESS-019		26-Apr-01	13:10	26-Apr-01	< 0.20
1951	KFP-ESS-020		26-Apr-01	13:12	26-Apr-01	< 0.20
1952	KFP-ESS-021		26-Apr-01	13:15	26-Apr-01	< 0.20
1953	KFP-ESS-022		26-Apr-01	13:18	26-Apr-01	0.84
1954	KFP-EFS-008		26-Apr-01	13:03	26-Apr-01	< 0.10
1955	KFP-EFS-009		26-Apr-01	13:05	26-Apr-01	< 0.20
1956	DUP 4/26/01		26-Apr-01		26-Apr-01	< 0.20
1957	KFP-ESS-023		26-Apr-01	14:00	26-Apr-01	0.36
1958	KFP-ESS-024		26-Apr-01	14:05	26-Apr-01	1.0
1959	KFP-ES-001		26-Apr-01	16:30	26-Apr-01	0.22
1960	KFP-ES-002		26-Apr-01	16:36	26-Apr-01	0.95
1961	KFP-ES-003		26-Apr-01	16:57	26-Apr-01	< 0.20
1962	KFP-ES-004		26-Apr-01	16:58	26-Apr-01	0.49
1963	KFP-ES-005		26-Apr-01	17:10	26-Apr-01	0.81
2091	KFP-EFS-010		04-May-01	15:02	04-May-01	< 0.10
2092	KFP-ESS-025		04-May-01	15:07	04-May-01	0.44
2093	DUP 5/4/01		04-May-01		04-May-01	< 0.10
2100	KFP-EFS-011		07-May-01	17:15	07-May-01	< 0.10
2101	KFP-ESS-026		07-May-01	17:22	07-May-01	0.12

Table 1
Frazier Property
405 Lee Street
Crystal Springs, Mississippi
PCB Concentrations Detected in Soil

					Field Laboratory	
Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)
2102	KFP-ESS-027		07-May-01	17:25	07-May-01	< 0.10
2103	DUP 5/7/01		07-May-01		07-May-01	< 0.10

Table 2
QC Summary

Lab # associated with qc samples: 1924 through 1943

Matrix Spike 1934	Matrix Spike Duplicate 1934	Blank 177	LCS 177
-------------------------	--------------------------------------	--------------	------------

Date Analyzed:	4/25/01	4/25/01	4/25/01	4/25/01
----------------	---------	---------	---------	---------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	110		110		0%	< 0.1	89.6

Table 2
QC Summary

Lab # associated with qc samples: 1944 through 1949

Matrix	Matrix		
Spike	Spike	Blank	LCS
1945	Duplicate	178	178
	1945		

Date Analyzed:	4/25/01	4/26/01	4/26/01	4/26/01
----------------	---------	---------	---------	---------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	115		119		-3%	< 0.1	98.5

Table 2
QC Summary

Lab # associated with qc samples: 1950 through 1963

Matrix	Matrix		
Spike	Spike	Blank	LCS
1953	Duplicate	179	179
	1953		

Date Analyzed:	4/26/01	4/26/01	4/26/01	4/26/01
----------------	---------	---------	---------	---------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	151		159		-5%	< 0.1	105

Table 2
QC Summary

Lab # associated with qc samples: 1950 through 1963

	Matrix	Matrix		
	Spike	Duplicate	Blank	LCS
	1953	1953	179	179

Date Analyzed:	4/26/01	4/26/01	4/26/01	4/26/01
----------------	---------	---------	---------	---------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	151		159		-5%	< 0.1	105

Table 2
QC Summary

Lab # associated with qc samples: 2091 through 2093

Matrix Spike	Matrix Spike Duplicate	Blank	LCS
2078	2078	187	187

Date Analyzed:	5/4/01	5/4/01	5/4/01	5/4/01
----------------	--------	--------	--------	--------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	95.2		93.4		2%	< 0.1	92.8

Table 2
QC Summary

Lab # associated with qc samples: 2100 through 2103

Matrix	Matrix		
Spike	Spike	Blank	LCS
2096	Duplicate	188	188
	2096		

Date Analyzed:	5/7/01	5/7/01	5/7/01	5/7/01
----------------	--------	--------	--------	--------

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	96.4		93.1		3%	< 0.1	97

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

May 16, 2001

Report Number: G442-14

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
Mark Randall

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate
Client Project ID: Kuhlman Electric
Lab Sample ID: 19396
Lab Project ID: G442-14
Matrix: Soil

Date Collected: 4/25/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

%SOLIDS: 79.8

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-002
Client Project ID: Kuhlman Electric
Lab Sample ID: 19397
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 79.2

Date Collected: 4/25/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	61	61

Comments: Received out of temperature
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-007
Client Project ID: Kuhlman Electric
Lab Sample ID: 19398
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 88.1

Date Collected: 4/25/01
Date Received: 4/30/01
Date Analyzed: 5/10/01
Analyzed By: CLP
Dilution: 20

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	3500	BQL
Aroclor-1221	3500	BQL
Aroclor-1232	3500	BQL
Aroclor-1242	3500	BQL
Aroclor-1248	3500	BQL
Aroclor-1254	3500	BQL
Aroclor-1260	3500	3900
Aroclor-1262	3500	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-009
Client Project ID: Kuhlman Electric
Lab Sample ID: 19399
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 80.2

Date Collected: 4/25/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	190	BQL
Aroclor-1221	190	BQL
Aroclor-1232	190	BQL
Aroclor-1242	190	BQL
Aroclor-1248	190	BQL
Aroclor-1254	190	BQL
Aroclor-1260	190	BQL
Aroclor-1262	190	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	55	55

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-EFS-005
Client Project ID: Kuhlman Electric
Lab Sample ID: 19400
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 83.9

Date Collected: 4/25/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	190	BQL
Aroclor-1221	190	BQL
Aroclor-1232	190	BQL
Aroclor-1242	190	BQL
Aroclor-1248	190	BQL
Aroclor-1254	190	BQL
Aroclor-1260	190	BQL
Aroclor-1262	190	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	67	67

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate
Client Project ID: Kuhlman Electric
Lab Sample ID: 19401
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 78.1

Date Collected: 4/26/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	50	50

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-022
Client Project ID: Kuhlman Electric
Lab Sample ID: 19402
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 79.2

Date Collected: 4/26/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	240
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	73	73

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-EFS-009
Client Project ID: Kuhlman Electric
Lab Sample ID: 19403
Lab Project ID: G442-14
Matrix: Soil

%SOLIDS: 78.4

Date Collected: 4/26/01
Date Received: 4/30/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	46	46

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs
by GC 8082

Client Sample ID: Batch QC
Client Project ID: Kuhlman
Lab Sample ID: SQC 33
Lab Project ID: G442-14
Matrix: Soil

Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1033	103%	832	83%	21.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARSONS LABORATORIES, INC.
Results for Analytical Control Spikes (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 33
Lab Project ID: G442-14
Matrix: Soil

Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	219	406

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 5/3/01
Lab Project ID: G442-14
Matrix: Soil

Date Collected: N/A
Date Received: N/A
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	170	BQL
Aroclor-1221	170	BQL
Aroclor-1232	170	BQL
Aroclor-1242	170	BQL
Aroclor-1248	170	BQL
Aroclor-1254	170	BQL
Aroclor-1260	170	BQL
Aroclor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	69	69

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

May 15, 2001

Report Number: G442-15

Client Project ID: Kuhlman Electric

Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. *Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.*

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.



Laboratory Director
Mark Randall

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: KFP-ESS-006
Client Project ID: Kuhlman Electric
Lab Sample ID: 19449
Lab Project ID: G442-15
Matrix: Soil

Date Collected: 4/25/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

%SOLIDS: 87.2

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	BQL
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	74	74

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: KFP-ESS-010
Client Project ID: Kuhlman Electric
Lab Sample ID: 19450
Lab Project ID: G442-15
Matrix: Soil

Date Collected: 4/25/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

%SOLIDS: 83.2

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	190	BQL
Aroclor-1221	190	BQL
Aroclor-1232	190	BQL
Aroclor-1242	190	BQL
Aroclor-1248	190	BQL
Aroclor-1254	190	BQL
Aroclor-1260	190	BQL
Aroclor-1262	190	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	88	88

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-015
Client Project ID: Kuhlman Electric
Lab Sample ID: 19451
Lab Project ID: G442-15
Matrix: Soil

%SOLIDS: 87.7

Date Collected: 4/25/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	460
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	74	74

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-EFS-006
Client Project ID: Kuhlman Electric
Lab Sample ID: 19452
Lab Project ID: G442-15
Matrix: Soil

%SOLIDS: 87.4

Date Collected: 4/25/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	BQL
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: Duplicate P
Client Project ID: Kuhlman Electric
Lab Sample ID: 19453
Lab Project ID: G442-15
Matrix: Soil

Date Collected: 4/25/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

%SOLIDS: 87.7

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	BQL
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	81	81

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs

by EPA 8082

Client Sample ID: KFP-ESS-020
Client Project ID: Kuhlman Electric
Lab Sample ID: 19454
Lab Project ID: G442-15
Matrix: Soil

%SOLIDS: 79.6

Date Collected: 4/26/01
Date Received: 5/1/01
Date Analyzed: 5/11/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	52	52

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-024
Client Project ID: Kuhlman Electric
Lab Sample ID: 19455
Lab Project ID: G442-15
Matrix: Soil

%SOLIDS: 94.2

Date Collected: 4/26/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	160	BQL
Aroclor-1221	160	BQL
Aroclor-1232	160	BQL
Aroclor-1242	160	BQL
Aroclor-1248	160	BQL
Aroclor-1254	160	BQL
Aroclor-1260	160	320
Aroclor-1262	160	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	75	75

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Duplicate P
Client Project ID: Kuhlman Electric
Lab Sample ID: 19456
Lab Project ID: G442-15
Matrix: Soil

Date Collected: 4/26/01
Date Received: 5/1/01
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

%SOLIDS: 79.9

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	41	41

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID: Kuhlman
Lab Sample ID: SQC 33
Lab Project ID: G442-15
Matrix: Soil

Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	1033	103%	832	83%	21.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 33
Lab Project ID: G442-15
Matrix: Soil

Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	219	406

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 5/3/01
Lab Project ID: G442-15
Matrix: Soil

Date Collected: N/A
Date Received: N/A
Date Analyzed: 5/7/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	BQL
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	96	96

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
 Client Project ID:
 Lab Sample ID: Blk 5/4/01
 Lab Project ID: G442-15
 Matrix: Soil

Date Collected: N/A
 Date Received: N/A
 Date Analyzed: 5/7/01
 Analyzed By: CLP
 Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	BQL
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	96	96

Comments:

BQL = Below Quantitation Limit
 NA = Not applicable, surrogate diluted out.

Reviewed By: 

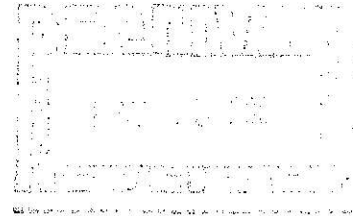
PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Robert Martin
Martin & Slagle
Box 1023
Black Mountain, NC 28711

May 22, 2001

Report Number: G442-18

Client Project ID: Kuhlman Electric



Dear Mr. Martin,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.


Laboratory Director
Mark Randall

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-EFS-010
Client Project ID: Kuhlman Electric
Lab Sample ID: 19817
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 83.4

Date Collected: 5/4/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	190	BQL
Aroclor-1221	190	BQL
Aroclor-1232	190	BQL
Aroclor-1242	190	BQL
Aroclor-1248	190	BQL
Aroclor-1254	190	BQL
Aroclor-1260	190	BQL
Aroclor-1262	190	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	70	70

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-025
Client Project ID: Kuhlman Electric
Lab Sample ID: 19818
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 86.4

Date Collected: 5/4/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	180	BQL
Aroclor-1221	180	BQL
Aroclor-1232	180	BQL
Aroclor-1242	180	BQL
Aroclor-1248	180	BQL
Aroclor-1254	180	BQL
Aroclor-1260	180	320
Aroclor-1262	180	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	67	67

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP Duplicate
Client Project ID: Kuhlman Electric
Lab Sample ID: 19819
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 91.1

Date Collected: 5/4/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	170	BQL
Aroclor-1221	170	BQL
Aroclor-1232	170	BQL
Aroclor-1242	170	BQL
Aroclor-1248	170	BQL
Aroclor-1254	170	BQL
Aroclor-1260	170	BQL
Aroclor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	55	55

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-ESS-026
Client Project ID: Kuhlman Electric
Lab Sample ID: 19820
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 79.8

Date Collected: 5/7/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	55	55

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP Duplicate
Client Project ID: Kuhlman Electric
Lab Sample ID: 19821
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 78.5

Date Collected: 5/7/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	50	50

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: KFP-EFS-011
Client Project ID: Kuhlman Electric
Lab Sample ID: 19822
Lab Project ID: G442-18
Matrix: Soil

%SOLIDS: 78.2

Date Collected: 5/7/01
Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	200	BQL
Aroclor-1221	200	BQL
Aroclor-1232	200	BQL
Aroclor-1242	200	BQL
Aroclor-1248	200	BQL
Aroclor-1254	200	BQL
Aroclor-1260	200	BQL
Aroclor-1262	200	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	84	84

Comments:

BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: Blk 5/8/01
Lab Project ID: G442-18
Matrix: Soil

Date Collected: N/A
Date Received: N/A
Date Analyzed: 5/15/01
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	170	BQL
Aroclor-1221	170	BQL
Aroclor-1232	170	BQL
Aroclor-1242	170	BQL
Aroclor-1248	170	BQL
Aroclor-1254	170	BQL
Aroclor-1260	170	BQL
Aroclor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	72	72

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 34
Lab Project ID: G442-18
Matrix: Soil

Date Analyzed: 5/16/01
Analyzed By: CLP
Dilution: 1.0

Compound	Spliked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	258	219	406

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID: Kuhlman
Lab Sample ID: SQC 34
Lab Project ID: G442-18
Matrix: Soil

Date Analyzed: 5/16/01
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	717	72%	716	72%	0.1

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for PCBs

by GC 8082

Client Sample ID: Batch QC
Client Project ID: Kuhlman
Lab Sample ID: SQC 35
Lab Project ID: G442-18
Matrix: Soil

Date Analyzed: 5/16/01
Analyzed By: CLP
Dilution: 1.0

Compound	Sample	MS	%Rec	MSD	%Rec	RPD
Aroclor-1260	BQL	520	52%	701	70%	29.6

Comments:

BQL = Below Quantitation Limit

Results reported are on-column amounts in ug/L.

N.C. Certification #481 S.C. Certification #99029

Reviewed By: 

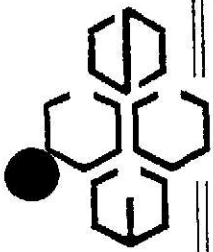
PARADIGM ANALYTICAL LABORATORIES, INC.
Results for Laboratory Control Spike (LCS)
by GC 8082

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: SLCS 35
Lab Project ID: G442-18
Matrix: Soil

Date Analyzed: 5/16/01
Analyzed By: CLP
Dilution: 1.0

Compound	Spiked (ug/KG)	Result (ug/KG)	Limits	
			Lower	Upper
Aroclor 1260	313	219	219	406

Reviewed By: *LN*



Frazier Properties
Environmental Chemistry
Consulting Services, Inc.

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 Madison, WI 53718
 Phone 608-221-8700
 FAX 608-221-4889

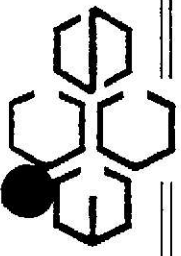
BOCA VATION SPES
CHAIN OF CUSTODY

No. **003041**
 Page **1** of **3**

Turn Around (circle one) **Normal** Rush
 Report Due: **25AP01**

Project Number:		Mail Report To:		Company:		Quote No.:		Laboratory Number	
Project Name: KUHNHAW BLECTRIC		Company: MARZINI-SCHAEFER		Address: FMAZLER PROPERTIES		P.O. No.:		1924	
Project Location: CRYSTAL SPRINGS, ILLIS		Address: 405 LEE ST,						1925	
Sampled By (Print): CHUCK PERL								1926	
Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number	Date/Time:
	Date	Time							
KFP-ESS-001	2AP01	1322	S	1	NA	PCB ₂		1927	
		1324						1928	
		1327						1929	
		1320						1930	
		1333						1931	
		1335						1932	
		1345						1933	
DUPLICATE 25AP01		NA						1934	
KFP-EFS-001		1400						1935	
		1402							
		1405 1405							
		1440							
*Preservation Code	Relinquished By:		Date/Time:		Received By:		Date/Time:		
A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH O=Other (Indicate)	Charles Deed 1350				R. Poluan 1400		25AP01		
Custody Seal: Present/Absent	Relinquished By:		Date/Time:		Received By:		Date/Time:		
Intact/Not Intact									
Seal #'s									
Shipped Via:									

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER



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Consulting Services, Inc.

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EXAMINATION SPCS
CHAIN OF CUSTODY

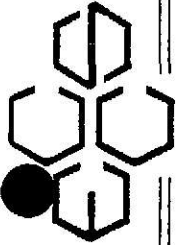
No. 003042 *
 Page 2 of 3

Turn Around (circle one) Normal Rush
 Report Due:

25AP01

Project Number:		Mail Report To:						
Project Name: KUTCHMAN ELECTRIC		Company: HAZING SCAGLE						
Project Location: CRYSTAL SPRINGS, MISS		Address: FARRAR PAPER 74						
Sampled By (Print): CHUCK PEEL		Address: AOS GEE ST 1						
Sample Description	Collection Date	Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
KFP-ESS-008	1415	1415	S	1	NA	PCB		1936
✓	1427							1937
✓	1430							1938
KFP-ESS-011	1435							1939
✓	1730							1940
✓	1735							1941
✓	1738							1942
✓	1740							1943
✓	1742							1944
✓	1745							1945
✓	1747							1946
KFP-EFS-005	1750			✓	✓			1947
*Preservation Code	Relinquished By: <i>Chuck Peel</i>		Date/Time: 4/25/01 1450	Received By: <i>R. Johnson</i>		Date/Time: 25AP01		
A=None B=HCL C=H2SO4	Relinquished By:		Date/Time:	Received By:		Date/Time:		
D=HNO3 E=EnCore F=Methanol	Intact/Not Intact		Seal #'s	Receipt Temp:		Temp Blank	Y	N
G=NaOH O=Other(Indicate)	Intact/Not Intact		Seal #'s	Receipt Temp:		Temp Blank	Y	N
Custody Seal: Present/Absent	Intact/Not Intact		Seal #'s	Receipt Temp:		Temp Blank	Y	N
Shipped Via:	Intact/Not Intact		Seal #'s	Receipt Temp:		Temp Blank	Y	N

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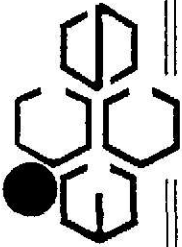
EXCAVATION SPS
CHAIN OF CUSTODY

No. 003043 *
Page 3 of 3

Turn Around (circle one) Normal Rush
Report Due: 25 APO 1

Project Number:		Mail Report To:		Invoice To:		P.O. No.:		Quote No.:		Laboratory Number:	
Project Name: LUKMAN ELECTRIC		Company: MAINT SCAGG		Company:		P.O. No.:		Quote No.:		Laboratory Number:	
Project Location: CYRUS SPRINGS		Address:		Address:		P.O. No.:		Quote No.:		Laboratory Number:	
Sampled By (Print): CHUCK PRL		Address:		Address:		P.O. No.:		Quote No.:		Laboratory Number:	
Sample Description	Collection		Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number				
	Date	Time									
↓ KFP-BFS-008	25 APO	1754	1	NA	PCB2		1948				
↓ 008	↓	1757	↓	↓	↓		1949				
① Wilson # by 25 APO 1											
*Preservation Code		Relinquished By: Charlie Seal		Date/Time: 4/25/01 1800		Received By: Richard Wilson		Date/Time: 25 APO 1			
A=None B=HCL C=H2SO4	Relinquished By:		Date/Time:		Received By:		Date/Time:				
D=HNO3 E=EnCore F=Methanol	Relinquished By:		Date/Time:		Received By:		Date/Time:				
G=NaOH O=Other(Indicate)	Relinquished By:		Date/Time:		Received By:		Date/Time:				
Custody Seal: Present/Absent	Intact/Not Intact		Seal #'s		Receipt Temp:		Temp Blank Y N				
Shipped Via:		Intact/Not Intact		Seal #'s		Receipt Temp:		Temp Blank Y N			

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26AP01
CHAIN OF CUSTODY

No. 003044 *
Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

EXCA VARIATIONS SPS

Project Number:		Mail Report To:		P.O. No.:		Quote No.:		Laboratory Number	
Project Name: KUALAH BURETRIC		Company: MARTIN J SAGGE		Company:					
Project Location: CATSTAC SPRINGS, MISS		Address:		Address:					
Sampled By (Print): CHUCK PELL									
Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number	
	Date	Time							
KFP-ESS-019	2/28/01	1310	S	1	NA	PCB2		1950	
020		1312						1951	
021		1315						1952	
022		1318						1953	
EFS-008		1303						1954	
009		1305						1955	
DUPPLICATE 4/16/01		NA						1956	
KFP-ESS-023		1400						1957	
024		1405						1958	
-ES-001		1630						1959	
002		1636						1960	
003		1657						1961	
004		1658						1962	
*Preservation Code	Relinquished By:		Date/Time:		Received By:		Date/Time:		
A=None B=HCL C=H2SO4	Chuck P. Pell		4/26/01 1420		Rydon		1430 26AP01		
D=HNO3 E=EnCore F=Methanol	Relinquished By:		Date/Time:		Received By:		Date/Time:		
G=NaOH O=Other(Indicate)									
Custody Seal: Present/Absent	Intact/Not Intact		Seal #s		Receipt Temp:		Temp Blank Y N		
Shipped Via:									

KFP-ESS-005 26AP01 1710 S 1 WA PCB2
WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER
1962

Client: MARTIN & SAGOLE Project ID: KUHNS ELECTRIC Date: 26 APR 01 Report To: ROBERT MARTIN
 Address: BLACK MOUNTAIN NC Contact: ROBERT MARTIN Turnaround: STD Invoice To: ABOVE
 Phone: 828-669-3929 Job Number: _____ P.O. Number: _____
 Fax: _____

Sample ID	Date	Time	Matrix	Preservatives		Analyses			Comments: Please specify any special reporting requirements
				1	2	Date	Time	Temperature	
PLICATE	25AP01	-	S	X					6442-14 MOBILE LAB # 1931
FP-ESS-002		1324							1931
FP-ESS-007		1345							1925
FP-ESS-009		1427							1930
FP-ESS-005		1750							1937
PLICATE	25AP01	-							1947
FP-ESS-022	4/16/01	1318							1956
FP-ESS-001		1305							1953
									4-1955 B
Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested		
<i>Charles Fee</i>	4/26/01	1820	<i>Julius Johnson</i>	4/30/01	10:00	11.8°C	NC	SC	Other

SEE REVERSE FOR TERMS AND CONDITIONS

Chain-of Custody Record & Analytical Request

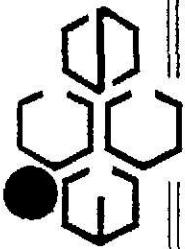
Report To: ROBERT MARTIN
 Invoice To: ABOVE
 Project ID: KWANTHAN ELECTRIC Date: 30AP01
 Address: BLACK MOUNTAIN NC Contact: ROBERT MARTIN Turnaround: STD
 Phone: 828-669-3929 Job Number:
 Note #: P.O. Number:

Sample ID	Date	Time Matrix	Preservatives	Analyses			Comments: Please specify any special reporting requirements
P-ESS-006	4/29/01	1335 S	NA				G442-15 MOBILE LAB #
P-ESS-010		1430	X				1929
P-ESS-015		1740					1938
P-EP-006		1754					1943
SPURCAT P		-					1948
FP-ESS-020	4/26/01	1312					-
FP-ESS-024		1405					1951
SPURCAT P		-					1958

PC 7882
WANTHAN HOLD TILES -
FOR TERT

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
<i>Robert D. Martin</i>	4/30/01	1700	<i>Judith Johnson</i>	5/1/01	0945	36°C	NC <input type="checkbox"/> SC <input type="checkbox"/> Other <input type="checkbox"/>

SEE REVERSE FOR
TERMS AND CONDITIONS



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road,
Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

EXCA VARIATION SPS

CHAIN OF CUSTODY

No. 003062 *

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due: 7/14/01

Project Number:		Mail Report To:						
Project Name: LUHMAN ELECTRIC		Company: MARINT SCAGER						
Project Location: CAYSTAE SPRINGS MISS		Address:						
Sampled By (Print): CHUCK PEBL		P.O. No.:						
Quote No.:		Laboratory Number						
Sample Description	Collection		Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number	
	Date	Time						
KFP-EFS-011	5/10/1715	S	1	NA	PCB ₂		2100	
↓ -ESS-026	1722	↓	↓	↓	↓		2101	
↓ -027	1725	↓	↓	↓	↓		2102	
KFP DUPLICATE	↓	↓	↓	↓	↓		2103	

*Preservation Code		Relinquished By:		Date/Time:		Received By:		
A=None B=HCL C=H2SO4	D=HNO3 E=EnCore F=Methanol		G=NaOH O=Other(Indicate)		S/7/01 1740		R Johnson 1745	
Custody Seal: Present/Absent		Relinquished By:		Date/Time:		Received By:		
Intact/Not Intact		Seal #'s		Temp Blank		Y N		
Shipped Via:		Receipt Temp:		Temp Blank		Y N		

PARADIGM ANALYTICAL LABORATORIES, INC.

2627 Northchase Parkway SE, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 1702

Page 1 of 1

Client: MOUNTAIN SCAGLE Project ID: WILKINSON ELECTRIC Date: 07/11/01 Report To: ROBERT DANFORD

Address: BLACK MOUNTAIN NP Contact: ROBERT DANFORD Turnaround: _____

Address: _____ Phone: 828-669-3925 Job Number: _____

Quote #: _____ Fax: _____ Invoice To: _____

P.O. Number: _____

Sample ID	Date	Time	Matrix	Preservatives				Analyses				Comments: Please specify any special reporting requirements.													
				1	2	3	4	1	2	3	4														
KFP-EFS-010	5/7/01	1502	S	NA									MOBILE LAB #												
KFP-ESS-025		1507											2091												
KFP DUPLICATE		-											2092												
KFP-ESS-026	5/7/01	1772											2093												
KFP DUPLICATE	5/7/01	-											2101												
KFP-EFS-011	5/7/01	1715											2103												
													2100												
Relinquished By										Date		Time		Received By		Date		Time		Temperature		State Certification Requested			
Checks on file										5/7/01		BST													
NC _____ SC _____ Other _____																									

SEE REVERSE FOR TERMS AND CONDITIONS



NON-HAZARDOUS SPECIAL WASTE MANIFEST

BILL VENTURE 0656496-100

GENERATOR

GENERATOR NAME KUHLMAN ELECTRIC		GENERATING LOCATION KUHLMAN ELECTRIC	
ADDRESS 101 KUHLMAN DR		ADDRESS Frazier Property	
CRYSTAL SPRINGS, MS 39059			
PHONE NUMBER 601-892-6462		PHONE NUMBER	STATE GENERATOR ID NUMBER

DESCRIPTION OF WASTE	QUANTITY	UNITS
SOIL CONTAMINATED WITH LOW LEVELS OF PCB'S BFI WASTE CODE: J0042 EXPIRE: 02-27-01 10-12-01	20	YDS
DESCRIPTION OF WASTE		
BFI WASTE CODE		
DESCRIPTION OF WASTE		
BFI WASTE CODE		

- D - DRUM
- C - CARTON
- B - BAG
- T - TRUCK
- P - POUND
- Y - YARD
- O - OTHER

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS; AND, IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED HAZARDOUS WASTE SUBJECT TO THE LAND DISPOSAL RESTRICTIONS, I CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 268 AND IS NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.

X ALAN THOMAS [Signature] 4-26-01
 GENERATOR AUTHORIZED AGENT NAME SIGNATURE SHIPMENT DATE

TRANSPORTER

TRUCK NUMBER T-04	PHONE NUMBER 601-694-2343
TRANSPORTER NAME SUPPORT SERVICES	DRIVER NAME Mike Merrill
ADDRESS 2473 MCKAY CR PEARL, MS 39208	VEHICLE LICENSE NO./STATE No tag Plate
	VEHICLE CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

X Michael L. Merrill 4/26/01
 DRIVER SIGNATURE SHIPMENT DATE

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

Michael L. Merrill 4/26/01
 DRIVER SIGNATURE DELIVERY DATE

DESTINATION

SITE NAME BFI BFI LITTLE DIXIE LANDFILL	PHONE NUMBER 800-967-2488
ADDRESS 1716 N. COUNTY LINE ROAD, RIDGELAND, MS 39157	

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

Earline Sheary Earline Sheary 4/26/01
 NAME OF AUTHORIZED AGENT SIGNATURE RECEIPT DATE

TRANSPORTER RETAIN

NO. 121298



NON-HAZARDOUS SPECIAL WASTE MANIFEST

BILL VENTURE 0656496-100

GENERATOR	
GENERATOR NAME KUHLMAN ELECTRIC	GENERATING LOCATION KUHLMAN ELECTRIC
ADDRESS 101 KUHLMAN DR	ADDRESS <i>Frazier Property</i>
CRISTAL SPRINGS, MS 39059	PHONE NUMBER
PHONE NUMBER 801-892-6462	STATE GENERATOR ID NUMBER

DESCRIPTION OF WASTE	QUANTITY	UNITS
SOIL CONTAMINATED WITH LOW LEVELS OF PCB'S BFI WASTE CODE J0042 EXPIRE 02-10-01 <i>1830</i> <i>10-12-01</i>	20	YDS
DESCRIPTION OF WASTE <i>1830</i>	8	4
BFI WASTE CODE <i>1830</i>	8	3
DESCRIPTION OF WASTE <i>1830</i>		12.5
BFI WASTE CODE		11.5
DESCRIPTION OF WASTE		
BFI WASTE CODE		

- D - DRUM
- C - CARTON
- B - BAG
- T - TRUCK
- P - POUND
- Y - YARD
- O - OTHER

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS; AND IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED HAZARDOUS WASTE SUBJECT TO THE LAND DISPOSAL RESTRICTIONS, I CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 268 AND IS NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.

ALAN THOMAS SIGNATURE *[Signature]* SIGNATURE 4-26-01 SHIPMENT DATE

TRANSPORTER	
TRUCK NUMBER <i>7-04</i>	PHONE NUMBER 601-694-2343
TRANSPORTER NAME SUPPORT SERVICES	DRIVER NAME <i>Mike Merrell</i>
ADDRESS 2473 MCKAY CR PEARL, MS 39206	VEHICLE LICENSE NO./STATE <i>No TAG Plate</i>
	VEHICLE CERTIFICATION <i>Roll-off Box</i>

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.
Michael P. Merrell DRIVER SIGNATURE 4/26/01 SHIPMENT DATE

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.
Michael P. Merrell DRIVER SIGNATURE 4/26/01 DELIVERY DATE

DESTINATION	
SITE NAME BFI BFI LITTLE DIXIE LANDFILL	PHONE NUMBER 800-967-2488
ADDRESS 1718 N. COUNTY LINE ROAD, RIDGELAND, MS 39157	

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.
[Signature] NAME OF AUTHORIZED AGENT *[Signature]* SIGNATURE 04/26/01 RECEIPT DATE

TRANSPORTER RETAIN



NON-HAZARDOUS SPECIAL WASTE MANIFEST

No. 121295

BILL VENTURE 0656496-100

GENERATOR

GENERATOR NAME KUHLMAN ELECTRIC	GENERATING LOCATION KUHLMAN ELECTRIC
ADDRESS 101 KUHLMAN DR	ADDRESS Frazier Property
CRYSTAL SPRINGS, MS 39059	PHONE NUMBER
PHONE NUMBER 601-892-6462	STATE GENERATOR ID NUMBER

DESCRIPTION OF WASTE	QUANTITY	UNITS
SOIL CONTAMINATED WITH LOW LEVELS OF PCB'S BFI WASTE CODE: J0042 EXPIRE: 000000 10-12-01	20	YDS
DESCRIPTION OF WASTE		
BFI WASTE CODE		
DESCRIPTION OF WASTE		
BFI WASTE CODE		

- D - DRUM
- C - CART
- B - BAG
- T - TRUCK
- P - POUND
- Y - YARD
- O - OTHER

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS; AND, IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED HAZARDOUS WASTE SUBJECT TO THE LAND DISPOSAL RESTRICTIONS, I CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 268 AND IS NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.

X ALAN THOMAS SIGNATURE: [Signature] SHIPMENT DATE: 4-27-01
GENERATOR AUTHORIZED AGENT NAME SIGNATURE SHIPMENT DATE

TRANSPORTER

TRUCK NUMBER T-02	PHONE NUMBER 601-694-2343
TRANSPORTER NAME SUPPORT SERVICES	DRIVER NAME Bobby Stowson
ADDRESS 2473 MCKAY CR	VEHICLE LICENSE NO./STATE A-37797 MS
PEARL, MS 39208	VEHICLE CERTIFICATION Roll OFF Box

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

[Signature] SHIPMENT DATE: 4-27-01
DRIVER SIGNATURE SHIPMENT DATE

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

[Signature] DELIVERY DATE: 4-27-01
DRIVER SIGNATURE DELIVERY DATE

DESTINATION

SITE NAME BFI BFI LITTLE DIXIE LANDFILL	PHONE NUMBER 800-967-2488
ADDRESS 1716 N. COUNTY LINE ROAD, RIDGELAND, MS 39157	

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

[Signature] SIGNATURE: [Signature] RECEIPT DATE: 04/27/01
NAME OF AUTHORIZED AGENT SIGNATURE RECEIPT DATE
 TRANSPORTER RETAIN

NO. 121294



NON-HAZARDOUS SPECIAL WASTE MANIFEST

BILL VENTURE 0656496-100

GENERATOR	
GENERATOR NAME KUHLMAN ELECTRIC	GENERATING LOCATION KUHLMAN ELECTRIC
ADDRESS 101 KUHLMAN DR CRYSTAL SPRINGS, MS 39059	ADDRESS <i>Frazier Property</i>
PHONE NUMBER 601-892-6462	PHONE NUMBER
	STATE GENERATOR ID NUMBER

DESCRIPTION OF WASTE	QUANTITY	UNITS
SOIL CONTAMINATED WITH LOW LEVELS OF PCB'S BFI WASTE CODE: J0042 EXPIRE 0000 10-12-01	20	YDS
DESCRIPTION OF WASTE		
BFI WASTE CODE		
DESCRIPTION OF WASTE		
BFI WASTE CODE		

- D - DRUM
- C - CARTON
- B - BAG
- T - TRUCK
- P - POUND
- Y - YARDS
- O - OTHER

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS, AND, IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED HAZARDOUS WASTE SUBJECT TO THE LAND DISPOSAL RESTRICTIONS, I CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 268 AND IS NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.

ALAN THOMAS GENERATOR AUTHORIZED AGENT NAME *[Signature]* SIGNATURE 4/27/01 SHIPMENT DATE

TRANSPORTER	
TRUCK NUMBER T-02	PHONE NUMBER 601-694-2343
TRANSPORTER NAME SUPPORT SERVICES	DRIVER NAME BOBBY SLANSON
ADDRESS 2473 MCKAY CR PEARL, MS 39208	VEHICLE LICENSE NO./STATE 37777
	VEHICLE CERTIFICATION ROLL OFF

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

[Signature] DRIVER SIGNATURE 4/27/01 SHIPMENT DATE

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

[Signature] DRIVER SIGNATURE 4/27/01 DELIVERY DATE

DESTINATION	
SITE NAME BFI BFI LITTLE DIXIE LANDFILL	PHONE NUMBER 800-967-2488
ADDRESS 1716 N. COUNTY LINE ROAD, RIDGELAND, MS 39157	

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE

[Signature] NAME OF AUTHORIZED AGENT *[Signature]* SIGNATURE 4/27/01 RECEIPT DATE

TRANSPORTER RETAIN

NO. 121398



NON-HAZARDOUS SPECIAL WASTE MANIFEST

BILL VENTURE 656496

FRAZER

GENERATOR	
GENERATOR NAME KULHMAN ELECTRIC	GENERATING LOCATION KULHMAN ELECTRIC
ADDRESS 101 KULHMAN DR CRYSTAL SPRINGS, MS 39059 PHONE NUMBER 601-892-8467	ADDRESS 101 KULHMAN DR CRYSTAL SPRINGS, MS 39059 PHONE NUMBER STATE GENERATOR ID NUMBER

DESCRIPTION OF WASTE	QUANTITY	UNITS
SOLID CONTAMINATED WITH LOW LEVELS OF PCB'S BFI WASTE CODE 10042 EXPIRE 10/21/00	20	YDS
DESCRIPTION OF WASTE		
BFI WASTE CODE		
DESCRIPTION OF WASTE		
BFI WASTE CODE		

- D - DRUM
- C - CARTON
- B - BAG
- T - TRUCK
- P - POUND
- Y - YARDS
- O - OTHER

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS; AND, IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED HAZARDOUS WASTE SUBJECT TO THE LAND DISPOSAL RESTRICTIONS, I CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 268 AND IS NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.


I ALAN THOMAS  6/6/01
 GENERATOR AUTHORIZED AGENT NAME SIGNATURE SHIPMENT DATE

TRANSPORTER	
TRUCK NUMBER T-02	PHONE NUMBER 888-694-2343
TRANSPORTER NAME SERVICES	DRIVER NAME BOBBY SLAWSON
ADDRESS 1500 E. 5th St NEW BRUNSWICK, MS 39208	VEHICLE LICENSE NO./STATE 37186
	VEHICLE CERTIFICATION ROLL OFF

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

 6/6/01
 DRIVER SIGNATURE SHIPMENT DATE

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

 6/6/01
 DRIVER SIGNATURE DELIVERY DATE

DESTINATION	
SITE NAME BFI BFI LITTLE DIXIE LANDFILL	PHONE NUMBER 800-967-2488
ADDRESS 15 W. COUNTY LINE ROAD, RIDGELAND, MS 39157	

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE

Earline Sheavy Earline Sheavy 6/6/01
 NAME OF AUTHORIZED AGENT SIGNATURE RECEIPT DATE
 TRANSPORTER RETAIN



Please print or type
(Form designed for use on elite (12-pitch typewriter))

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of	No. 26788
3. Generator's Name and Mailing Address KUHLMAN ELECTRIC 101 KUHLMAN DR. CRYSTAL SPRINGS, MS. 39059		FRAZIER Property		
4. Generator's Phone ()	5. Transporter 1 Company Name SUPPORT SERVICES, PO BOX 59, NEW HEBRON, MS.	6. US EPA ID Number	A. Transporter's Phone 668-694-2343	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address BFI LITTLE DIXIE LANDFILL 1716 N. COUNTY LINE RD., RIDGELAND, MS. 39157		10. US EPA ID Number	C. Facility's Phone 601-982-9488	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. SOIL CONTAMINATED WITH PCB'S L38JJ0042 EXP 10-12-01		Roll OFF	25	yd
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed / Typed Name ALAN THOMAS		Signature 		Month Day Year 06/20/01
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed / Typed Name X DAVID SICK		Signature 		Month Day Year 06/20/01
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed / Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed / Typed Name Carlene Sheary		Signature Carlene Sheary		Month Day Year 06/20/01

GENERATOR

TRANSPORTER

FACILITY

CANARY / TRANSPORTER

AWI Form# 121



Please print or type
(Form designed for use on elite (12-pitch typewriter))

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of	No. 26309
3. Generator's Name and Mailing Address KUHLMAN ELECTRIC 101 KUHLMAN DR. CRYSTAL SPRINGS, MS. 39059		FRAZIER Property		
4. Generator's Phone ()	5. Transporter 1 Company Name SUPPORT SERVICES, PO BOX 59, NEW HEBRON, MS.	6. US EPA ID Number	A. Transporter's Phone 666-694-2343	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address BFI LITTLE DIXIE LANDFILL 1716 N. COUNTY LINE RD., RIDGELAND, MS. 39157	10. US EPA ID Number <i>Water From Fire Truck Back</i>	C. Facility's Phone 601-982-9488		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. SOIL CONTAMINATED WITH PCB'S L38JJ0042 EXP 10-12-01		<i>Roll off</i>	<i>25</i>	<i>yd</i>
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed / Typed Name ALAN THOMAS		Signature <i>[Signature]</i>	Month 6	Day 18
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Michael L. Merrell</i>	Month 6	Day 18
Printed / Typed Name Mike Merrell		Signature	Month	Day
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature	Month	Day
Printed / Typed Name Michael L. Merrell		Signature	Month	Day
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed / Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>	Month 6	Day 18

GENERATOR

TRANSPORTER

FACILITY

CANARY / TRANSPORTER

AWI Form# 12



Photo 1 – View of the front of the Frazier property showing conditions prior to remediation activities. The fence is a temporary installation for public access control.



Photo 2 – The Frazier driveway prior to remedial activities. The temporary fence is shown in this view. This view is looking north from Lee Avenue.



Photo 3 – View of the Frazier front yard prior to remediation. This view is looking west with Lee Avenue to the left side of the photo.



Photo 4 – Excavation of the hedgerow east of the Frazier driveway.



Photo 5 – Completed excavation on the northeast side of the Frazier's front porch. Flags marking confirmation sampling locations are visible in the excavation.



Photo 6 – View looking southeast showing completed excavation along Lee Avenue.



Photo 7 – Completed excavation along Lee Avenue with backfill in-place. View is looking northwest across Lee Avenue.



Photo 8 – Completed excavation between the driveway and Kuhlman Electric's parking lot with clean backfill in-place and graded. This view is toward the north across Lee Avenue.



Photo 9 – Area east of the Frazier house with finished sod in place.



Photo 10 – The front yard of the Frazier house with finished sod in place.

DATA REVIEW SUMMARY
ECCS

	Acceptable	Unacceptable	Control Limits Met
Holding Times	√		
Completeness	√		
LCS	√		Yes
MS/MSD	√		Yes
MS/MSD/RPD	√		Yes
Blind Duplicates	√		Yes

DATA REVIEW SUMMARY
PARADIGM

	Acceptable	Unacceptable	Control Limits Met
Holding Times	√		
Completeness	√		
LCS	√		Yes
MS/MSD	√		Yes
MS/MSD/RPD	√		Yes
Blind Duplicates	√		Yes

Comparison of Fixed and Field Laboratory Split Sample Data

Sample ID	Date Collected	PCBs (1260)		RPD
		Field Lab	Fixed Lab	
PKP-ES-003	4/17/2001	5.000	E 0.770	147%
PKP-EFS-004	4/17/2001	< 0.100	< 0.190	0%
PKP-EFS-009	4/18/2001	< 0.100	< 0.180	0%
PKP-EFS-019	4/18/2001	< 0.100	< 0.190	0%
PKP-EFS-027	4/18/2001	0.400	J < 0.180	NC5
PKP-EFS-029	4/19/2001	< 0.100	< 0.180	0%
PKP-ESS-003	4/19/2001	0.140	< 0.180	NC5
PKP-ESS-004	4/19/2001	< 0.100	< 0.180	0%
PKP-ESS-001	4/19/2001	0.230	< 0.180	NC5
PKP-ESS-019	4/19/2001	0.500	< 0.180	NC5
PKP-EFS-032-02	4/20/2001	< 0.100	< 0.190	0%
PKP-ESS-024	4/20/2001	0.140	< 0.170	NC5
PKP-EFS-042	4/20/2001	0.480	< 0.180	NC5
PKP-EFS-048	4/20/2001	3.200	< 0.190	NC
PKP-ESS-036	4/20/2001	2.500	0.380	147%
KFP-ESS-006	4/25/2001	1.100	< 0.180	NC
KFP-ESS-010	4/25/2001	< 0.100	< 0.190	0%
KFP-ESS-015	4/25/2001	3.300	0.460	151%
KFP-EFS-006	4/25/2001	0.150	< 0.180	NC5
KFP-ESS-020	4/26/2001	< 0.200	< 0.200	0%
KFP-ESS-024	4/26/2001	1.000	0.320	103%
JEP-EFS-002	5/2/2001	1.100	0.640	53%
JEP-EFS-013	5/2/2001	< 0.100	< 0.180	0%
JEP-EFS-015	5/2/2001	< 0.100	< 0.110	0%
JEP-EFS-029	5/2/2001	< 0.100	< 0.190	0%
JEP-EFS-037	5/2/2001	< 0.100	< 0.190	0%
JEP-ESS-007	5/2/2001	0.430	< 0.180	NC5
JEP-ESS-013	5/2/2001	< 0.100	< 0.200	0%
PKP-EFS-047-02	5/3/2001	0.240	< 0.180	NC5
JEP-EFS-044	5/3/2001	< 0.100	< 0.180	0%
JEP-ESS-025	5/3/2001	0.110	< 0.170	43%
JEP-EFS-059	5/3/2001	1.400	0.540	89%
KFP-EFS-010	5/4/2001	< 0.100	< 0.190	0%
KFP-ESS-025	5/4/2001	< 0.100	0.320	NC5

Acceptable = RPD <100% or NC5
 Unacceptable = RPD >100% or NC
 NC5 = Detection < 5 times
 the other lab's quantitation limit.
 NC = Not confirmed.

86% of data set = Acceptable

E= Estimated, exceeds calibration range
 J= Elevated reporting limit due to the presence of toxaphene

Comparison of Fixed and Field Laboratory Split Sample Data

Sample ID	Date Collected	PCBs (1260)		
		Field Lab	Fixed Lab	RPD
JEP-ESS-028	5/4/2001	< 0.100	< 0.190	0%
JEP-EFS-061	5/4/2001	< 0.100	< 0.190	0%
PKP-ESS-036-02	5/5/2001	0.310	< 0.170	NC5
KFP-EFS-011	5/7/2001	< 0.100	< 0.200	0%
KFP-ESS-026	5/7/2001	0.120	< 0.200	50%
PKP-ESS-041	5/9/2001	1.400	0.530	90%
PKP-EFS-049	5/9/2001	0.440	< 0.170	NC5
JEP-EFS-002-02	5/10/2001	< 0.100	< 0.190	0%
JEP-ESS-031	5/10/2001	< 0.100	< 0.180	0%
PKP-ESS-041-02	5/11/2001	1.800	0.580	103%
PKP-ESS-042	5/11/2001	1.100	0.300	114%
JEP-EFS-064	5/11/2001	< 0.100	< 0.180	0%
JEP-EFS-066	5/11/2001	< 0.100	< 0.180	0%
JEP-ESS-040	5/11/2001	< 0.100	< 0.190	0%
GSP-ESS-001	5/15/2001	0.130	< 0.230	56%
GSP-ESS-003	5/15/2001	1.200	0.280	124%
GSP-ESS-006	5/18/2001	0.350	0.190	59%
GSP-EFS-003	5/18/2001	< 0.100	< 0.160	0%
PKP-EFS-050	5/18/2001	< 0.100	< 0.190	0%
PKP-EFS-051	5/18/2001	< 0.100	< 0.190	0%
PKP-ESS-035-02	5/21/2001	0.400	< 0.190	NC5
PKP-EFS-007-02	5/21/2001	< 0.100	< 0.260	0%

Acceptable = RPD <100% or NC5
 Unacceptable = RPD >100% or NC
 NC5 = Detection < 5 times
 the other lab's quantitation limit.
 NC = Not confirmed.

86% of data set = Acceptable

E= Estimated, exceeds calibration range
 J= Elevated reporting limit due to the presence of toxaphene

FIXED LABORATORY BLIND DUPLICATE SAMPLE DATA

PCBs (Aroclor 1260)				
SAMPLE ID		FIXED LAB		
Sample	Duplicate	Sample	Duplicate	RPD
JEP-EFS-013	Duplicate	< 0.18	< 0.11	48.28%
JEP-EFS-044 ¹	JEP Duplicate	< 0.18	< 0.18	0.00%
JEP-EFS-061	Blind Duplicate	< 0.19	< 0.19	0.00%
JEP-EFS-002-02	JEP Duplicate	< 0.19	< 0.26	31.11%
JEP-EFS-064	JEP Duplicate	< 0.18	< 0.19	5.41%
JEP-EFS-056-02	JEP Duplicate	< 0.19	< 0.2	5.13%
KFP-ESS-002	Duplicate P	< 0.20	< 0.20	0.00%
KFP-EFS-009	Duplicate P	< 0.20	< 0.20	0.00%
KFP-EFS-006	Duplicate P 4/25/01	< 0.18	< 0.18	0.00%
KFP-ESS-020	Duplicate P 4/26/01	< 0.2	< 0.2	0.00%
KFP-EFS-010	KFP Duplicate	< 0.19	< 0.17	11.11%
KFP-EFS-011	KFP Duplicate	< 0.20	< 0.20	0.00%
PKP-EFS-004	Duplicate 1850	< 0.190	< 0.190	0.00%
PKP-EFS-009	Duplicate 1862	< 0.180	< 0.180	0.00%
PKP-EFS-029	Duplicate 1878	< 0.180	< 0.180	0.00%
PKP-EFS-032-02 ²	Duplicate	< 0.190	< 0.190	0.00%
PKP-EFS-042	Blind Duplicate	< 0.180	< 0.180	0.00%
PKP-BKF-001	Blind Duplicate	< 0.180	< 0.190	5.41%
PKP-EFS-049	PKP-Duplicate	< 0.170	< 0.180	5.71%
PKP-ESS-042	PKP-Duplicate	0.300	0.350	15.38%
PKP-EFS-050	Duplicate	< 0.190	< 0.220	14.63%
PKP-EFS-007-02	PKP-Duplicate	< 0.260	< 0.250	3.92%
GSP-ESS-001	GSP Duplicate	< 0.230	< 0.180	24.39%
GSP-EFS-003	GSP Duplicate	< 0.160	< 0.160	0.00%

Results reported in mg/kg

¹ = sample name is incorrect on paradigm chain of custody

² = lacks -02 on c.oc.'s

FIELD LABORATORY BLIND DUPLICATE SAMPLE DATA

PCBs (Aroclor 1260)				
SAMPLE ID		FIELD LAB		
Sample	Duplicate	Sample	Duplicate	RPD
PKP-EFS-004	DUP 4/17/01	< 0.10	< 0.10	0.00%
KFP-EFS-006	Duplicate P 4/25/01	< 0.18	< 0.18	0.00%
KFP-ESS-020	Duplicate P 4/26/01	< 0.2	< 0.2	0.00%
PKP-EFS-009	DUP 4/18/01	< 0.10	< 0.10	0.00%
PKP-EFS-031	*Duplicate-1	0.97	0.79	20.45%
PKP-EFS-031	*Duplicate-2	0.97	1.10	12.56%
PKP-EFS-029	DUP 4/19/01	< 0.10	< 0.10	0.00%
PKP-EFS-032	BLIND DUP	2.30	< 0.10	183.33%
PKP-EFS-042	DUP 4/30/01	0.48	0.40	18.18%
PKP-BKF-001	BLIND DUP	< 0.10	< 0.10	0.00%
PKP-EFS-049	PKP-DUP	0.44	0.35	22.78%
PKP-ESS-042	PKP-DUP	1.10	0.86	24.49%
PKP-EFS-050	PKP-DUP	< 0.10	< 0.10	0.00%
PKP-EFS-007-02	PKP-DUP	< 0.10	< 0.10	0.00%
KFP-ESS-002	DUP 4/25/01	< 0.20	< 0.20	0.00%
KFP-EFS-009	DUP 4/26/01	< 0.20	< 0.20	0.00%
KFP-EFS-010	DUP 5/4/01	< 0.10	< 0.10	0.00%
KFP-EFS-011	DUP 5/7/01	< 0.10	< 0.10	0.00%
JEP-EFS-013	DUP 5/2/01	< 0.10	< 0.10	0.00%
JEP-EFS-044	DUP 5/3/01	< 0.10	< 0.10	0.00%
JEP-EFS-061	DUP 5/4/01	< 0.10	< 0.10	0.00%
JEP-EFS-002-02	DUP 5/10/01	< 0.10	< 0.10	0.00%
JEP-EFS-064	DUP 5/11/01	< 0.10	< 0.10	0.00%
JEP-EFS-056-02	DUP 5/17/01	< 0.10	< 0.10	0.00%
GSP-ESS-001	DUP GSP	0.13	< 0.10	26.09%
GSP-EFS-003	DUP GSP	1.2	< 0.10	169.23%

E = VALUE EXCEEDS CALIBRATION RANGE.