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SITE REMEDIATION REPORT

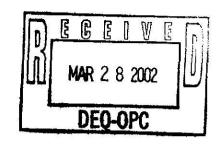
Frazier Property 405 Lee Avenue Crystal Springs, Mississippi

Prepared for

BorgWarner Inc.

February 2002

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Prepared by

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

February 2002

Robert L. Martin, P.G. Project Manager

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Christine E. Slagle Senior Scientist

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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-ShovelTM" 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-ShovelTM" 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-ShovelTM" 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.

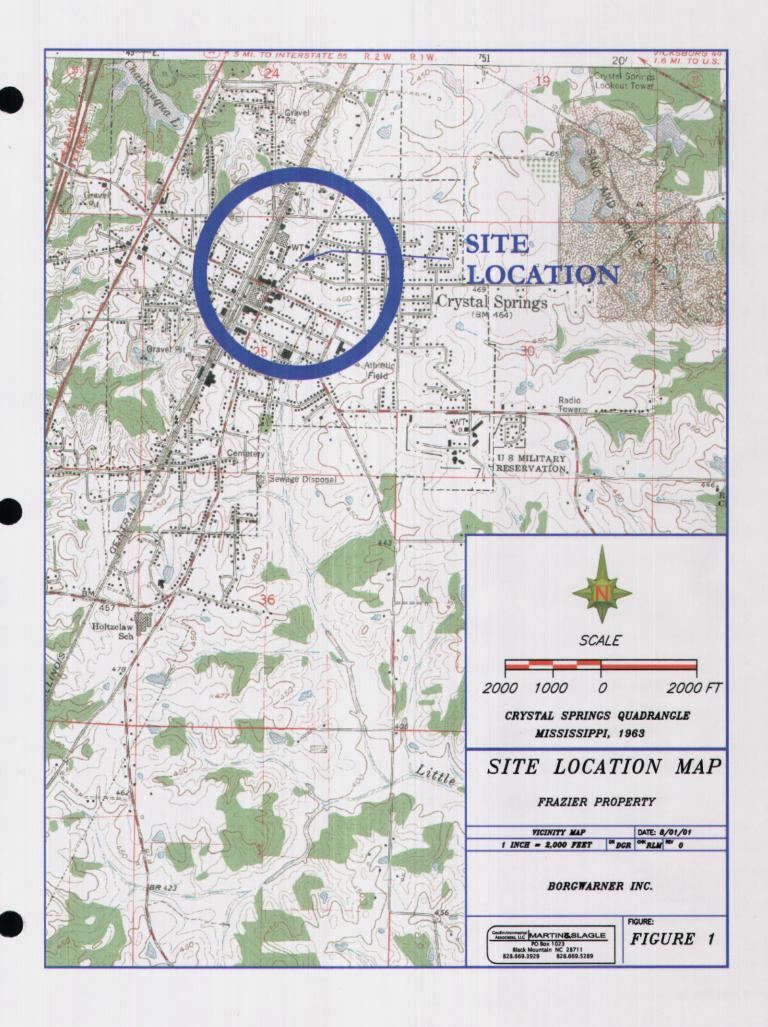


TABLE 1 SUMMARY OF DATA SHOWING CONFIRMATION OF REMEDIATION FRAZIER PROPERTY

al di di seria. Fi				Eleid I	aboratory	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	<u> </u>	
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	<u>*</u>	10 to
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	0,112001	-0.100
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	29	
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	3/1/2001	0.400
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	3	10 90
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	0/1/2001	40.100
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	3/11/2001	₹0.200
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	-	3
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	3/1/2001	0.320
1960	KFP-ES-002	4/26/2001	1636	4/26/2001	0.22	 2	
1961	KFP-ES-002	4/26/2001	1657	4/26/2001	<0.20		
1962	KFP-ES-003	4/26/2001	1703	4/26/2001	0.49		-
1963	KFP-ES-004	4/26/2001	1710	4/26/2001	0.49	• •	-
2091	KFP-ES-009	5/4/2001	1502	5/4/2001	<0.10	5/15/2001	<0.190
2092	KFP-ESS-025	5/4/2001	1502	5/4/2001	<0.10	5/15/2001	0.320
2100	KFP-ESS-025	5/7/2001	1715	5/7/2001	<0.10	5/15/2001	<0.200
2101	KFP-ESS-026	5/7/2001	1713	5/7/2001	0.12	5/15/2001	<0.200
2102	KFP-ESS-027	5/7/2001	1725	5/7/2001	<0.12	3/ TO/200 I	<u> </u>

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

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.

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.

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 limts.
- 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

-	, i		<u> </u>		Field Lat	ooratory
Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)
					1 65 4 64	z 0 00
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	0. 0.0. 000000000000000000000000000000	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	50.50.24	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-Арг-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-Арг-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-Арг-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-ES-003		04-May-01	15:02	04-May-01	< 0.10
2091	KFP-ESS-025		04-May-01	15:07	04-May-01	0.44
2092	DUP 5/4/01		04-May-01	10.01	04-May-01	< 0.10
2100	KFP-EFS-011		07-May-01	17:15	07-May-01	< 0.10
2100	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

	20 11 11				Field Lat	ooratory
Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)
2402	KFP-ESS-027		07-May-01	17:25	07-May-01	< 0.10
2102 2103	DUP 5/7/01		07-May-01	1,1,20	07-May-01	< 0.10

Lab # associated with qc samples:

1924 through 1943

Matrix

Matrix

Spike

Spike

Duplicate

Blank

LCS

1934

1934

177

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

Lab # associated with qc samples:

1944

through 1949

Matrix

Matrix

Spike

Spike

Duplicate

Blank

LCS

1945

1945

178

178

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
PCB as 1260	115	118	0,70		

Lab # associated with qc samples:

1950 through 1963

Matrix

Matrix

Spike

Spike 1953 Duplicate 1953

Blank 179 LCS 179

Date Analyzed:

4/26/01

4/26/01

4/26/01

4/26/01

% Rec	% Rec	% RPD	mg/kg	% Rec
151	159	-5%	< 0.1	105

Lab # associated with qc samples:

1950 throu

through 1963

Matrix

Matrix

Spike

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
PC8 as 1260	151	159	-5%	< 0.1	105
PCB as 1260	151	159	-5%	W24	V 0.1

Lab # associated with qc samples: 2091 through 2093

Matrix

Matrix

Spike

Spike

Duplicate

Blank

LCS

2078

2078

187

187

Date Analyzed:

5/4/01

5/4/01

5/4/01

5/4/01

	846.00
2%	< 0.1 92.8
2 de con-	2%

Lab # associated with qc samples: 2100 through 2103

Matrix

Matrix

Spike

Spike

Duplicate

Blank

LCS

2096

2096

188

188

Date Analyzed:

5/7/01

5/7/01

5/7/01

5/7/01

% RPD	mg/kg	% Rec
3%	< 0.1	97
	3%	3% < 0.1

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

Results for PCBs by EPA 8082

Client Sample ID: Duplicate

Client Project ID: Kuhlman Electric

Lab Sample ID: 19396 Lab Project ID: G442-14

Surrogate Spike Recoveries

TCMX

Matrix: Soil

%SOLIDS: 79.8

Date Collected: 4/25/01

Date Received: 4/30/01 Date Analyzed: 5/7/01

Analyzed By: CLP

Spike

Result

76

Percent

Recovered

76

Dilution: 1

	at a	Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		200	BQL
Aroclor-1221	8)	200	BQL
Aroclor-1232		200	BQL
Aroclor-1242	60 E	200	BQL
Aroclor-1248	38 38	200	BQL
Aroclor-1254	裁	200	BQL
Aroclor-1260		200	BQL
Aroclor-1262		200	BQL
	±		

Spike

Added

100

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: 1

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

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

Surrogate Spike Recoveries

TCMX

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

Spike

Result

61

Percent

Recovered

61

8	Quantitation	Result
Compound	Limit (ug/KG)	(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
	£	
	9	

Spike Added

100

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By

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

Surrogate Spike Recoveries

TCMX

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

Result

NA

Recovered

NA

	Quantitation	Result
Compound	Limit (ug/KG)	(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
v	Spike S	pike Percent

Added

100

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: W

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

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 Aroclor-1016 Aroclor-1221 Aroclor-1232	Quantitation Limit (ug/KG) 190 190		Result (ug/KG) BQL BQL BQL
Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	190 190 190 190 190		BQL BQL BQL BQL BQL
Surrogate Spike Recoveries TCMX	Spike Added	Spike Result 55	Percent Recovered

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

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

Surrogate Spike Recoveries

TCMX

Matrix: Soil

%SOLIDS: 83.9

Date Collected: 4/25/01

Date Received: 4/30/01

Date Analyzed: 5/7/01

Analyzed By: CLP

Result

67

Recovered

67

Dilution: 1

á á		Quantitation		Result
Compound		Limit (ug/KG)	9	(ug/KG)
Aroclor-1016		190		BQL
Aroclor-1221	138	190		BQL
Aroclor-1232		190		BQL
Aroclor-1242		190		BQL
Aroclor-1248		. 190		BQL
Aroclor-1254		190		BQL
Aroclor-1260		190		BQL
Aroclor-1262	N _E	190	80	BQL
	15.	Spike	Spike	Percent

Added

100

Comments: Received out of temperature BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

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

	8	Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		200	BQL
Aroclor-1221	30	200	BQL
Aroclor-1232		200	BQL
Aroclor-1242		200	BQL
Aroclor-1248	y a	200	BQL
Aroclor-1254	is a	200	BQL
Aroclor-1260	F	200	BQL
Aroclor-1262	w ⁶	200	BQL
	8		

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

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

	•	Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		200	BQL
Aroclor-1221		200	BQL
Aroclor-1232		200	BQL
Aroclor-1242		200	BQL
Aroclor-1248	9	. 200	BQL
Aroclor-1254	iii	200	BQL
Aroclor-1260	98	200	240
Aroclor-1262	я 8	200	BQL

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

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

	*	Quantitation	Result
Compound	39	Limit (ug/KG)	(ug/KG)
Aroclor-1016		200	BQL
Aroclor-1221	40 40	200	BQL
Aroclor-1232		200	BQL
Aroclor-1242	8	200	BQL
Aroclor-1248	# # # # # # # # # # # # # # # # # # #	200	BQL
Aroclor-1254	2 ·	200	BQL
Aroclor-1260		200	BQL
Aroclor-1262	, (S	200	BQL

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

Comments: Received out of temperature

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By: لندلا

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

PARREDUCTO A DATA DITATO GATO ALAB GRIAT (LEG)S, INC. 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	Result	Limits	3
of anti-control of anti-control of the control of	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	258	219	406

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	i.	Quantitation Limit (ug/KG)	Result (ug/KG)
Aroclor-1016	gr gr	170	BQL
Aroclor-1221	546	170	BQL
Aroclor-1232		170	BQL
Aroclor-1242	. *	170	BQL
Aroclor-1248	s "	170	BQL
Aroclor-1254	E E	170	BQL
Aroclor-1260	B 2	170	BQL
Aroclor-1262	e, ³⁰	170	BQL

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

Comments:

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

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 Randail

Results for PCBs

by EPA 8082

%SOLIDS: 87.2

Client Sample ID: KFP-ESS-006

Client Project ID: Kuhlman Electric

Lab Sample ID: 19449 Lab Project ID: G442-15

Surrogate Spike Recoveries

TCMX

Matrix: Soil

Date Collected: 4/25/01

Date Received: 5/1/01 Date Analyzed: 5/7/01

Analyzed By: CLP

Result

74

Recovered

74

Dilution: 1

		Quantitation		Result
Compound		Limit (ug/KG)		(ug/KG)
Aroclor-1016		180		BQL
Aroclor-1221	37 TE	180	影	BQL
Aroclor-1232		180		BQL
Aroclor-1242		180		BQL
Aroclor-1248		180		BQL
Aroclor-1254	20 W W	180		BQL
Aroclor-1260		180		BQL
Aroclor-1262	** * ** **	180		BQL
a.	29	8		80
		Spike	Spike	Percent

Added

100

Comments:

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

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

%SOLIDS: 83.2

Date Collected: 4/25/01

Date Received: 5/1/01 Date Analyzed: 5/7/01

Analyzed By: CLP

Dilution: 1

		85	Quantitation	Result
Compound	- 4		Limit (ug/KG)	(ug/KG)
Aroclor-1016	•		190	BQL
Aroclor-1221		9 B	190	BQL
Aroclor-1232		8	190	BQL
Aroclor-1242			190	BQL
Aroclor-1248	26		190	BQL
Aroclor-1254	19 21	25	190	BQL
Aroclor-1260		и.	190	BQL
Aroclor-1262	en se	a s	190	BQL

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

Comments:

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

Results for PCBs by EPA 8082

%SOLIDS: 87.7

Client Sample ID: KFP-ESS-015 Client Project ID: Kuhlman Electric

Lab Sample ID: 19451

Lab Project ID: G442-15

Matrix: Soil

Date Collected: 4/25/01 Date Received: 5/1/01

100

Date Analyzed: 5/7/01

Analyzed By: CLP

74

Dilution: 1

Compound Aroclor-1016 Aroclor-1221	er V	Quantitation Limit (ug/KG) 180	×	Result (ug/KG) BQL
Aroclor-1232 Aroclor-1242		180 180		BQL BQL
Aroclor-1248 Aroclor-1254	e e e e e e e e e e e e e e e e e e e	180 180 180		BQL BQL BQL
Aroclor-1260 Aroclor-1262	§ s	180 180		460 BQL
Surrogate Spike Rec	overies	Spike Added	Spike Result	Percent Recovered

Comments:

TCMX

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

74

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

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

		Quantitation	Result
Compound	62. 64.	Limit (ug/KG)	(ug/KG)
Aroclor-1016	ε φ ^ω	180	BQL
Aroclor-1221	ŧ.	180	BQL
Aroclor-1232		180	BQL
Aroclor-1242		180	BQL
Aroclor-1248	* * * * * * * * * * * * * * * * * * *	180	BQL
Aroclor-1254	90 (II) (II) (II)	180	BQL
Aroclor-1260		180	BQL
Aroclor-1262		180	BQL
		(X	

Surrogate Spike Reco	veries	Spike Added	Spike Result	Percent Recovered
TCMX	46	100	70	70

Comments:

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

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

%SOLIDS: 87.7

Date Collected: 4/25/01

Date Received: 5/1/01 Date Analyzed: 5/7/01

Analyzed By: CLP

Dilution: 1

	8 8	Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		180	BQL
Aroclor-1221		180	BQL
Aroclor-1232		180	BQL
Aroclor-1242	9	180	BQL
Aroclor-1248		180	BQL
Aroclor-1254	gr (64	180	BQL
Aroclor-1260	£	180	BQL
Aroclor-1262	,å	180	BQL

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

Comments:

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

Reviewed By:

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

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

52

52

n e	Quantitation	Result
Compound	Limit (ug/KG)	(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
	· · · · · · · · · · · · · · · · · · ·	
	Spike Spik	e Percent
Surrogate Spike Recoveries	Added Resu	

100

Comments:

TCMX

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

Reviewed By:

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

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

Date Collected: 4/26/01

Date Received: 5/1/01

Date Analyzed: 5/7/01

Analyzed By: CLP

Matrix: Soil %SOLIDS: 94.2 Dilution: 1

Compound Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	Quantitation Limit (ug/KG) 160 160 160 160 160 160		Result (ug/KG) BQL BQL BQL BQL BQL BQL BQL BQ
Surrogate Spike Recoveries	Spike	Spike	. Percent
	Added	Result	Recovered

100

75

75

Comments:

TCMX

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

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

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

%SOLIDS: 79.9

Date Collected: 4/26/01

Date Received: 5/1/01 Date Analyzed: 5/7/01

Analyzed By: CLP

Dilution: 1

		Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		200	BQL
Aroclor-1221		200	BQL
Aroclor-1232		200	BQL
Aroclor-1242		200	BQL
Aroclor-1248	* E	200	BQL
Aroclor-1254	a	200	BQL
Aroclor-1260		200	BQL
Aroclor-1262	96 ⁷⁹	200	BQL
,			

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

Comments:

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

Reviewed By: MN

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.

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

PARADIGM OF PAINTICAL LABORATORIES, INC.

by GC 8082

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: SLCS 33

G442-15

Lab Project ID: Matrix:

Soil

Date Analyzed:

5/7/01

Analyzed By:

CLP

Dilution:

1.0

Compound	Spiked	Result	Limits	<u> </u>
ls .	(ug/KG)	(ug/KG)	Lower	Upper
Aroclor 1260	313	258	219	406

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

		Quantitation	Result
Compound		Limit (ug/KG)	(ug/KG)
Aroclor-1016		180	BQL
Aroclor-1221	1965	180	BQL
Aroclor-1232		180	BQL
Aroclor-1242		180	BQL
Aroclor-1248	15	180	BQL
Aroclor-1254	38	180	BQL
Aroclor-1260		180	BQL
Aroclor-1262	9 E	180	BQL

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

Comments:

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

Results for PCBs by EPA 8082

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: Bik 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

*		Quantitation	Result
Compound	82	Limit (ug/KG)	(ug/KG)
Aroclor-1016		180	BQL
Aroclor-1221	(4.5)	180	BQL
Aroclor-1232		180	BQL
Aroclor-1242		180	BQL
Aroclor-1248	(A)	180	BQL
Aroclor-1254		180	BQL
Aroclor-1260		180	BQL
Aroclor-1262	15 15 15	180	BQL
	§6	g y	

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

Comments:

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

Reviewed By:

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

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

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

May 22, 2001

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

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

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

Comments:

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

Results for PCBs by EPA 8082

Client Sample ID: KFP-ESS-025 Client Project ID: Kuhlman Electric

Client Project ID: Kuhlman Elect 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

	Quantitation	Result
Compound	Limit (ug/KG)	(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	Spike	Percent
	Added	Result	Recovered
тсмх	100	67	67

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

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

55

55

Dilution: 1

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered

100

Comments:

TCMX

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Reviewed By:

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

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

	Quantitation	Result
Compound	Limit (ug/KG)	(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	Spike	Percent
	Added	Result	Recovered
TCMX	100	55	55

Comments:

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

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

50

50

Date Received: 5/8/01
Date Analyzed: 5/15/01
Analyzed By: CLP

Dilution: 1

	Quantitation		Result
Compound	Limit (ug/KG)		(ug/KG)
Aroclor-1016	200		BQL
Aroclor-1221	200		BQL
Aroclor-1232	200		BQL
Aroclor-1242	200		BQL
Aroclor-1248	200		BQL
Araclor-1254	200		BQL
Aroclor-1260	200		BQL
Aroclor-1262	200		BQL
	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered

100

Comments:

TCMX

BQL = Below Quantitation Limit

NA = Not applicable, surrogate diluted out.

Results for PCBs by EPA 8082

Client Sample ID: KFP-EFS-011

Lab Sample ID: 19822

Surrogate Spike Recoveries

TCMX

Lab Project ID: G442-18

Matrix: Soil

Client Project ID: Kuhlman Electric

%SOLIDS: 78.2

Date Collected: 5/7/01

Date Received: 5/8/01

Date Analyzed: 5/15/01

Analyzed By: CLP

Result

84

Recovered

84

Dilution: 1

	Quantitation		Result
Compound	Limit (ug/KG)		(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
	Spike	Spike	Percent

Added

100

Comments:

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

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

72

72

Date Analyzed: 5/15/01
Analyzed By: CLP

Dilution: 1

	Quantitation		Result
Compound	Limit (ug/KG)		(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
0	Spike	Spike	Percent
Surrogate Spike Recoveries	Added	Result	Recovered

100

Comments:

TCMX

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

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: Matrix:

G442-18

Soil

Date Analyzed:

5/16/01

Analyzed By:

CLP

Dilution:

1.0

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

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

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

Client Sample ID: Batch QC

Date Analyzed: Analyzed By:

5/16/01

Client Project ID:

Dilution:

CLP

Lab Sample ID: SLCS 35 Lab Project ID:

G442-18

1.0

Matrix:

Soil

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

FAMER Property Environmental Chemistry

ELA VAZION SPLS
CHAIN OF CUSTODY N

Rush Normal Page of Turn Around (circle one) Report Due: Invoice To: Madison, WI 53718 FAX 608-221-4889 Consulting Services, Inc. Phone 608-221-8700 2525 Advance Road,

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Madison, WI 53718

FAX 608-221-4889

Mail Report To:

-221-8700

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Company: Address:

Project Location: CIPYSTAC SPRINGS, MISS

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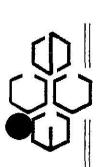
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Custody Seal: Shipped Via:



Environmental Chemistry Consulting Services, Inc.

Madison, WI 53718

2525 Advance Road,

Project Number: Project Name:

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G=NaOH O=Other(Indicate)

C=H2SO4

A=None B=HCL

Received By:

25APD

Date/Time:



Environmental Chemistry

Consulting Services, Inc.

Madison, WI 53718

FAX 608-221-4889

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Rush

Normal

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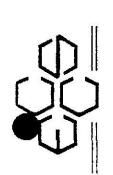
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G=NaOH O=Other(Indicate)

D#HNO3 E=EnCore F=Methanol

A=None B=HCL C=H2SO4

*Preservation Code



Environmental Chemistry

Consulting Services, Inc.

Madison, Wi 53718 FAX 608-221-4889

2525 Advance Road,

4 MY01

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YTICAL LABORATORIES, INC. RADIGM ANA

7 Northchase Parkway SE, Wilmington, NC 28405 ne: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custok Record & Analytical Request

COC# ZD / 4]

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Please specify any special reporting 40 61 CAB # 193 State Certification Requested TERMS AND CONDITIONS requirements ... SEE REVERSE FOR 460VE Report To: 206617 Comments: Other. H-2149 4 1955 9561 1953 SC 1925 1930 1937 1947 Invoice To: . 193 SC Time Temperature 1.80C 26 APO 16:00 Analyses Date: _ Contact: Pobeld MNJ/Nurnaround: Job Number: P.O. Number: 1/30/01 Date | Time | ** | Received By ** | Date nt: MARZIN 45 (AGLE, Project ID: KUNCAN) ELECTIC Phone: 828-669-3929 * Preservatives Fax: 5 12661 1820 Date. | Time | Matrix NY 1750 (3/8 (305) (47J ich stad 34 1345 THE PARTY 11.1 ſ Iress: BUACK CHOOD/MHW (T%14) をおり 25/20) 李二次 京下 11 Sep. Relinquished By FP-FK-08 FP-ESS-011 Sample ID P-EFS-005 1.3 TO-83-9-P-ESS-609 P-FS-02 PLICHE Pruct 78 ress:

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RADIGM AN CYTICAL LABORATORIES, INC. 27 Northchase Parkway SE, Wilmington, NC 28405

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

Chain-of Custody Record & Analytical Request

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Report To: LEGERT UTALTIN Date: 30/1-80 dress: BLACK 170347A1N NC Contact: ROBBET 1714-711Aurnaround: ent: MARTING SCHOLE Project ID: (WHYTH) PLECPLIC

ABOVE Invoice To:_ Job Number: P.O. Number: Phone: 8 28 -69-3219 dress: ote #:

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2525 Advance Road,

Environmental Chemistry Consulting Services, Inc.

Madison, Wi 53718 FAX 608-221-4889

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Page of Turn Around (circle one) Normal Rush Report Due:

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

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Seal #'s

Intact/Not Intact

Custody Seal: Present/Absent

Shipped Via:

G=NaOH O=Other(Indicate)

D=HNO3 E=EnCore F=Methanol

C=H2SO4

A=None B=HCL

Please specify any special reporting Report To: ROBERT DAPTIL State Certification Requested TERMS AND CONDITIONS requirements "TELL SEE REVERSE FOR Comments # Other -MOBIL LAB #303 7997 2093 2102 _ SC _ 2091 とと 2/0/ Invoice To: SC. Chain-of Custody Record & Analytical Request Time [Temperature Date: 07 11 40 Analyses P.O. Number: _ Job Number: Turnaround: Date Project ID: (41)HUMA) BLECTHY Contact: Pobert MM-IIN Phone: 828-669-3928 7808 900 Received By. Preservatives ALYTICAL LABORATORIES, INC. 2627 Northchase Parkway SE, Wilmington, NC 28405 Fax: F Date Time Phone; (910)-350-1903 FAX; (910)-350-1557 Time Matrix 37 Address: BCACK MOUNTAIN NE 58 507 MATINI STAGE KFP-EFS-010 5/401 1(FP-ESS-024 5/1/0) Relinquished By KFP Diright KFP DURUCATE KFP-ESS-025 14.45 O.M. Sample ID KFP-EFS-011 PARADIGM Address: Client: Quote #:

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BILL VENTURE 0656496-100

GENERATOR NAME	GENERATOR	249-0002-0002-00-0
KVILMAN ELECTRIC	GENERATING LOCATION KUHLMAN ELECTRIC ADDRESS	ngeral Park
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CRYSTAL SPRINGS, MS 39059 PHONE NUMBER 01-892-6462	PHONE NUMBER STATE GENERATOR	
	ID NUMBER	
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BILL VENTURE 0656496-100

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ADORESS 101 KUHLMAN DR	ADORESS	Fraziek Property	
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	TRANSPORTER		
TRUCK NUMBER 7-04	PHONE NUMBER	694-2343	Andrews (1997)
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ADDRESS 2473 MCKAY CR	VEHICLE LICENSE NO.	STATE TO THE STATE OF THE STATE	
PEARL, MS 39206	VEHICLE CENTIFICATI	f 5	
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BILL VENTURE 0656496-100

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7-02 - Told - To	### 601 4694	
TRANSPORTER NAME SUPPORT SERVICES	ORIVER NATE	by Slowson,
ADDRESS MCKAY CR	VEHICLE LICENSE NO/STATE	
PEARL, MS 39208	VEHICLE CERTIFICATION	(A-37797 116,
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DRIVER SIGNATURE SHIPMENT DATE	DRIVER SIGNATURE	DELIVERY DATE
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SITE NAME BFI	PHONE NUMBER	
BET BITTLE DIXIE LANDERLO. TORESS 1718 N. COUNTY LINE ROAD, RIDGE	800-967-248 TANC: MS 39157	
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I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN AS	CCEPTED AND TO THE BEST OF MY KNO	OWLEDGE THE FOREGOING IS TRUE AND ACCURA
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NON-HAZARDOUS SPECIAL WASTE MANIFEST BILL VENTURE 0656496-100

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BILL VENTURE 656496 FRAZER

GENERATOR PAMENIAN FLECTRIC	GENERATING LOCATION HIMAN ELECTRIC
ADDRESS LUL KUHLIHAN DR	ADDRESS 101 KULHMAN DR
PHONE NUMBER (1 - 6 - 9 2 - 5 - 14 6 / 1)	CRYSTAL SPRINGS, MS 39059 PHONE NUMBER STATE GENERATOR ID NUMBER
DESCRIPTION OF WASTE \$ 100 PARTITION STATE OF POB'S BET WASTE CODE TOTAL EXPIRE 19/21/00 DESCRIPTION OF WASTE	OLIANTITY UNITS: 2.0 YDS D-DRUM C-CARTC B-BAG
BFI WASTE CODE DESCRIPTION OF WASTE BFI WASTE CODE	T - TRUCK P - POUNL Y - YARDS O - OTHER
RT 261 OR ANY APPLICABLE STATE LAW, HAS BEEN PROPERLY DES TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS; AND,	NAMED MATERIAL IS NOT A HAZARDOUS WASTE AS DEFINED BY 40 CFR SCRIBED, CLASSIFIED AND PACKAGED, AND IS IN PROPER CONDITION FOR IF THE WASTE IS A TREATMENT RESIDUE OF A PREVIOUSLY RESTRICTED MS// CERTIFY AND WARRANT THAT THE WASTE HAS BEEN TREATED IN NO LONGER A HAZARDOUS WASTE AS DEFINED BY 40 CFR PART 261.
	PHONE NUMBER 888-694-2343 DRIVER NAME VEHICLE LICENSE NO STATE 37/86 MEHICLE CERTIFICATION
HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE. SHIPMENT DATE	I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW. BY THE SIGNATURE DELIVERY DATE
DES SITE NAME BF: BFI LITTIE DIYTE LANDEILI. RESS 7 L5 144 C.JUNTI LINE ROAD, RIDGELAND,	TINATION **HONE NUMBER** 800-967-2488 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 ACCURAT

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



	NON-HAZARDOUS 1. Generator's US EPA ID No.		of No.	26788	1
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	5. Transporter 1 STUPPHENT SERVICES, PO BOX 659, NEW HE	BRUN, MS.	000*034*	2343	
	7. Transporter 2 Company Name 8. US EPA ID	Number	B. Transporter's Phone	,	
	40.000	* * * * * * * *			
	9. Designated Facility Name and Site Address 10. US EPA ID	Number	C. Facility's Phone		
	BFI LITTLE DIXIE LANDFILL	JC 20157	601-982	-0488	
	1716 N. COUNTY LINE RD., RIDGELAND, J	VIS. 33131	001-302	-3400	
	11. Waste Shipping Name and Description		12. Containers	13. Total	14. Unit
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-	15. Special Handling Instructions and Additional Information	•			
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*	16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not st	bject to federal regulation	ns for reporting proper disposal		
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A				46/2	
N S P	17. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name Signature /			Month Day	Year
OR	X JAVID SILEK			D617	0.7
T	18. Transporter 2 Acknowledgement of Receipt of Materials				
TER	Printed / Typed Name Signature			Month Day	Year
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F	19. Discrepancy Indication Space	e,			
A					
C					
L	20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manife	est except as noted in	ı İtem 19.		
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CANARY / TRANSPORTER

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

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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID I	No.	Ŀ	2. Page 1 of	No.	26309	
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	7. Transporter 2 Company Name	8.	US EPA ID Num	nber	B. Transporte			
	9. Designated Facility Name and Site Address	10.	US EPA ID Num	iber Jack	C. Facility's F			
	BFI LITTLE DIXIE I						I KL. MAKAMAN	
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Ļ	20. Facility Owner or Operator: Certification of rec	eipt of waste materials covere	d by this manifest	xeept as noted in	n Item 19.	/	//	
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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.

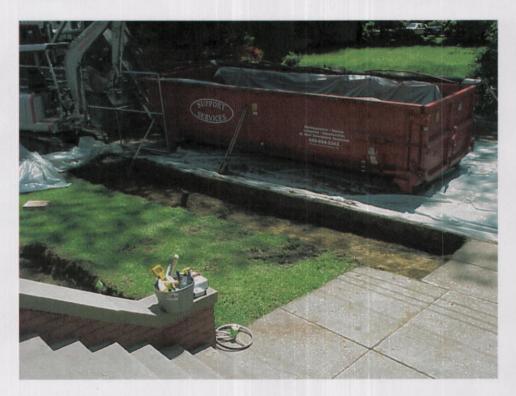


Photo 6 – View looking southeast showing completed excavation along Lee Avenue.

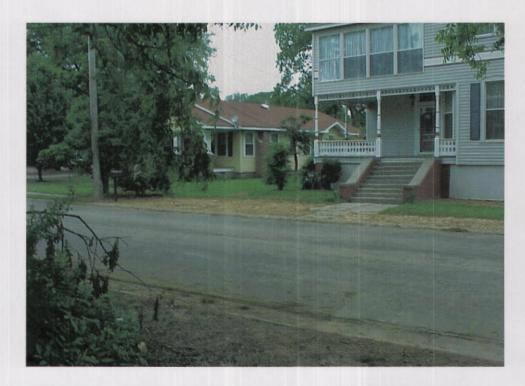


Photo 7 – Completed excavation along Lee Avenue with backfill in-place. View is looking northwest across Lee Avenue.



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	V		
Completeness	V		
LCS	V		Yes
MS/MSD	V		Yes
MS/MSD/RPD	V		Yes
Blind Duplicates	V		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

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5/2/2001 < 5/3/2001 < 5/3/2001 < 5/3/2001 < 5/3/2001 < 5/3/2001 < 5/4/2001 <	5/2/2001 0.430	< 0.180	NC5
5/3/2001 < 5/3/2001 < 5/3/2001 < 5/3/2001 < 5/3/2001 < 5/4/2001 <	20	< 0.200	%0
5/3/2001 < 5/3/2001 5/3/2001 5/4/2001 <		< 0.180	NC5
5/3/2001 5/3/2001 5/4/2001 <	٧	< 0.180	%0
5/3/2001 <		< 0.170	43%
5/4/2001	37	0.540	89%
	٧	< 0.190	%0
KFP-ESS-025 5/4/2001 < 0		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

Comparison of Fixed and Field Laboratory Split Sample Data

Sample ID	CS P-2 B-1	TO STATE OF THE ST	PCBs (1260)	
	A CONTRACTOR OF THE CONTRACTOR	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	20%
PKP-ESS-041	5/9/2001	1.400	0.530	%06
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	%99
GSP-ESS-003	5/15/2001	1.200	0.280	124%
GSP-ESS-006	5/18/2001	0.350	0.190	28%
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

FIXED LABORATORY BLIND DUPLICATE SAMPLE DATA

	PCBs (Aroclor 1260)				
SAMPLE D		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	Duplicate1850	< 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 custudy

2 = lacks -02 on c.oc.'s

FIELD LABORATORY BLIND DUPLICATE SAMPLE DATA

		PCBs (Arock	or 1260)	
SAMPLEID		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.