



KUHLMAN ELECTRIC CORPORATION

Tel: (601) 892-6462

Fax: (601) 892-6476

Email: athomas@kuhlman.com

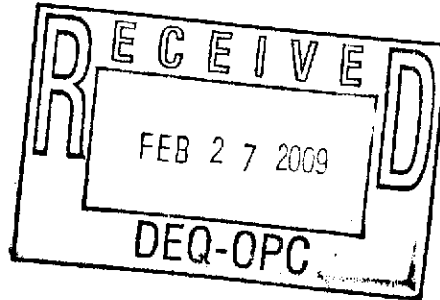
101 Kuhlman Drive • Crystal Springs, Mississippi 39059

Website: www.kuhlman.com

Power Transformers
Instrument Transformers
Distribution Transformers

February 9, 2009

Mr. Tony Russell
Assessment Remediation Branch Chief
Mississippi Department of Environmental Quality
P. O. Box 2261
Jackson, MS 39225



Dear Tony;

I am writing today to summarize the excavation of potentially contaminated soil to construct a pit at the Kuhlman Electric facility in Crystal Springs, MS. The purpose of the pit is to provide railroad rails to carry core/coil assemblies into and out of KEC's vapor phase processing chamber (Figure 1 illustrates the vapor phase chamber and core/coil assembly). KEC completed Phase I of the project in January of 2009. This pit is the subject of the September 23, 2008 letter to MDEQ.

Kuhlman Electric's manufacturing capability has increased to permit building larger transformers. To support the manufacturing of larger transformers, KEC has purchased Vapor Phase Processing machinery. Vapor Phase Processing is a superior drying process that many of KEC's customers insist be in place to satisfy the quality specifications of the product that KEC manufactures.

KEC's core/coil assemblies are very heavy. Steel rails are embedded into the floor to support the heavy loads. Once the assembly is dried in the Vapor Phase process, it is removed from the drying chamber to place it into a steel case. To prevent moisture from the atmosphere re-infiltrating the assembly, the assembly is immersed in hot oil prior to removal from the processing chamber. Oil will drip from the assembly (and from there onto the floor) once it is out of the drying chamber. To prevent personnel from slipping on the oil, a pit is present beneath the assembly to gather any oil that drips from the assembly prior to the subsequent manufacturing operations. Figure 1 does not illustrate a pit; a pit will be present beneath the assembly once this project is implemented. Excavation of soil is needed to construct a pit. Excavation is taking place where it is suspected the soil may be contaminated.

Soil and concrete was removed to covered roll-offs. Composite samples of each of the roll-offs were taken. Analysis (found in Environmental Management Services (EMS) report in Appendix I) for PCB concentration was completed on the composites. Analysis showed that PCB 1260 was present in the soil. Please note that the EMS report contains data from the Tanking Pit excavation that took place the same weekend. A sketch (page 8 of Appendix I) within the EMS report details the location of the samples from each project site.

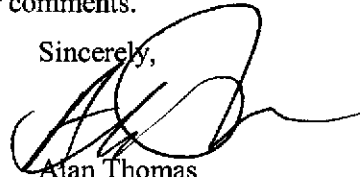
This letter details only the excavation that took place to construct "Rail Pit VP-2" (referring to page 8 of Appendix I). VP Rail Pit VP-1 will be constructed in the future. Construction of rails for VP-1 would interrupt KEC's production operations at this time. KEC must complete installation of its second Vapor Phase drying machinery so that the first Vapor Phase machine can be scheduled down for the construction to take place. It is anticipated that the second pit will be constructed prior to June, 30, 2009.

Excavation of the soil took place in KEC's "Core Department" (Figure 2 illustrates pit location within the facility). Work to remove the soil was conducted during weekend hours when the Department was nearly empty of KEC personnel. KEC employees were informed of the excavation prior to its taking place.

Soil was disposed of in accordance with regulatory requirements. Manifests of the roll-offs are included as Figures 3 and 4.

Please call me @ 601-892-6462 with any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Thomas', written over the word 'Sincerely,'.

Alan Thomas
Maintenance Manager

Cc: Messrs. Paul Acheson, Ron Polk, John Brooks, KEC; Ms. Anastasia Hamel/ Borg Warner/ Mr. Steve Levine/ Phelps, Dunbar, Mr. James Barrett/Latham and Watkins

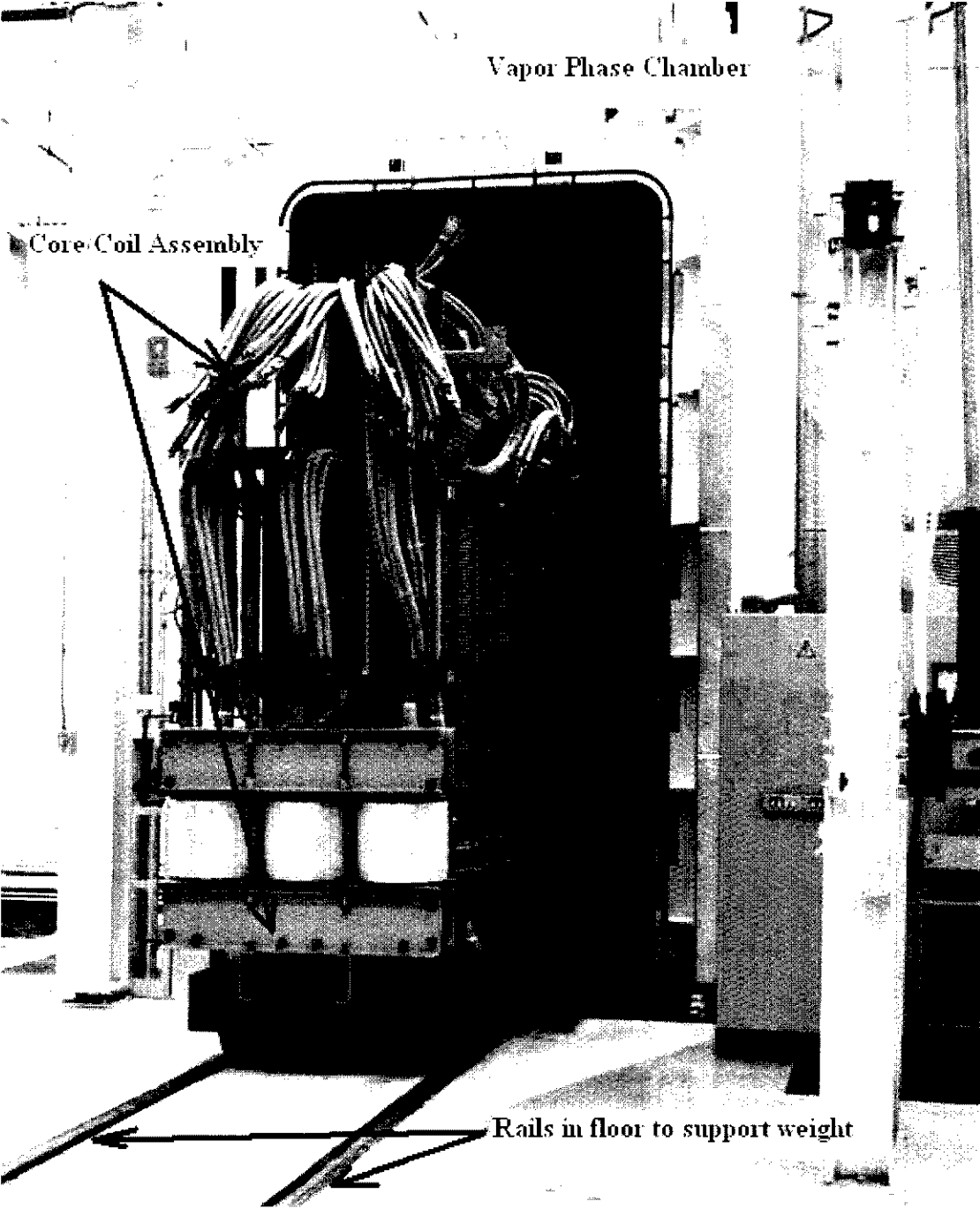


Figure 1

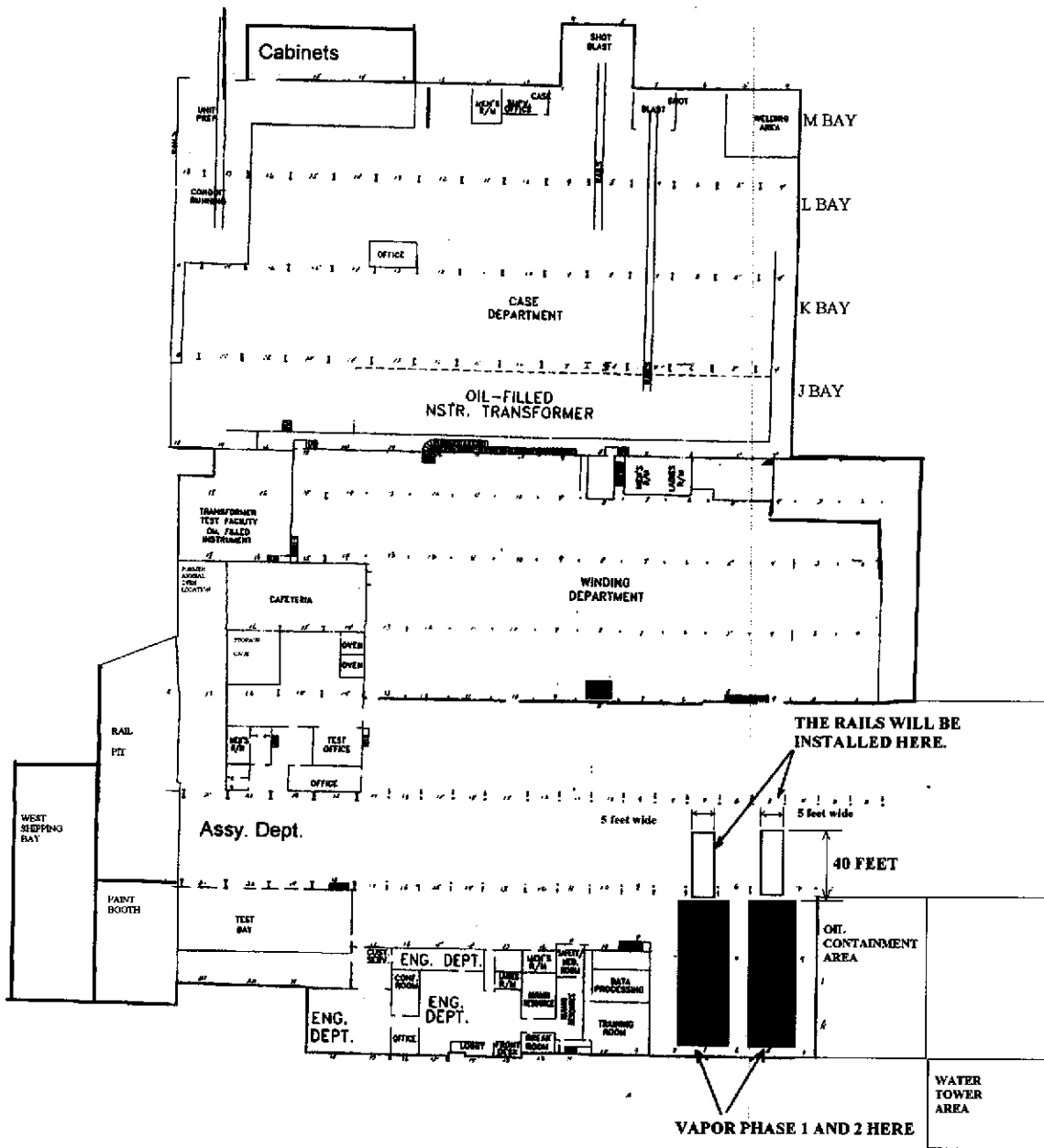



Figure 2




NON-HAZARDOUS WASTE MANIFEST 0168603

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator Name and Address KUMBLAN ELECTRIC 101 KUMBLAN DR CRYSTAL SPRINGS, MS 39058 801 882 6402			5. Generating Location (if different)		
4. Phone ()			6. Phone ()		
7. Transporter #1 Company Name C-G		8. US EPA ID Number		9. Transporter #1's Phone 601-842-0622	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated TSD Facility Name and Site Address BFI LITTLE DIXIE LANDFILL 1716 N. COUNTY LINE ROAD RIDGELAND, MS 39157		14. US EPA ID Number		15. Facility's Phone 800-967-2488	
16. Waste Shipping Name and Description		17. Asset Waste Approval # and Exp. Date		18. Containers	
a. SOIL CONTAMINATED WITH PCB 138 Y8 13804 238 Y8 10785		Blue Roll OFF EXPIRES: 03/31/2008 12/31/08		19. Total Quantity	
				20. Unit WWTG	
b.					
c.					
d.					
21. Additional Descriptions for Materials Listed Above					
<p>BILL TO: KUMBLAN ELECTRIC ACCT# 881108 ATTN: ALAN THOMAS 101 KUMBLAN DRIVE CRYSTAL SPRINGS, MS 39058</p>					
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to Federal regulation for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name Alan Thomas		Signature <i>[Signature]</i>		Month Day Year 12 30 08	
24. Transporter #1 Acknowledgment of Receipt of Materials					
Printed/Typed Name Howard Williams		Signature <i>[Signature]</i>		Month Day Year 12 30 08	
25. Transporter #2 Acknowledgment of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in item 16)					
Printed/Typed Name Keith Edwards		Signature <i>[Signature]</i>		Month Day Year 12 30 08	

T/S/D/ECOPY

Figure 3



NON-HAZARDOUS WASTE MANIFEST 0168604

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator Name and Address KUHLMAN ELECTRIC 181 KUHLMAN DR CRYSTAL SPRINGS, MS 38959 661 882 6462			5. Generating Location (if different)		
4. Phone ()			6. Phone ()		
7. Transporter #1 Company Name <i>Howard Williams</i>		8. US EPA ID Number		9. Transporter #1's Phone <i>601-892-0492</i>	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated TSD Facility Name and Site Address BFI LITTLE DIXIE LANDFILL 1716 N. COUNTY LINE ROAD RIDGELAND, MS 39157		14. US EPA ID Number		16. Facility's Phone 600-967-2498	
15. Waste Shipping Name and Description SOIL CONTAMINATED WITH PCB L38 Y8 19804 L3EY8 10785		17. Aired Waste Approval # and Exp. Date EXPIRES: 03/31/2009 12/31/08		18. Containers	
				No.	Type
				25 YD	
21. Additional Descriptions for Materials Listed Above					
<p>BILL TO: KUHLMAN ELECTRIC ACCT# 881109 ATTN: ALAN THOMAS 101 KUHLMAN DRIVE CRYSTAL SPRINGS, MS 39059</p>					
22. Special Handling Instructions and Restrictions					
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not excluded materials for reporting purposes for reporting purposes of Hazardous Waste.					
Printed/Typed Name <i>Alan Thomas</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 30 08</i>	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Howard Williams</i>		Signature <i>Howard Williams</i>		Month Day Year <i>12 30 08</i>	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 18)					
Printed/Typed Name <i>Keith Edwards</i>		Signature <i>Keith Edwards</i>		Month Day Year <i>12 30 08</i>	

T/S/D/FCOPY

Figure 4

APPENDIX I

ENVIRONMENTAL 
MANAGEMENT SERVICES, INC.

November 24, 2008

Mr. Alan Thomas
Kuhlman Electric Corporation
101 Kuhlman Drive
Crystal Springs, Mississippi 39059

Re: Saw-cut Water Recovery, Soil Sampling, and Laboratory Analyses Report
New Tanking Pit and Rail Pit Locations
Crane Bay Area
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Dear Mr. Thomas:

Environmental Management Services, Inc. (EMS) has prepared this report for saw-cut water recovery, soil sampling, and laboratory analyses for the new Tanking Pit and Rail Pit locations in the Crane Bay Area at the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, Mississippi.

On Monday, October 20, 2008, EMS collected six soil samples from three pit locations, prior to excavation, and had the samples analyzed by Micro-Methods Laboratory, Inc., for polychlorinated biphenyls (PCBs) by Environmental Protection Agency (EPA) Method 8082. The sampling protocol, methods, and procedures used complied with the EPA Region IV *Field Branches Quality System and Technical Procedures*, adopted by MDEQ. Drilling services using direct-push and continuous-coring methods were provided by Walker-Hill Environmental, Inc. (WHE). The soil sample locations are shown on Figure 1 - *Soil Sample Locations Tanking and Rail Pits*.

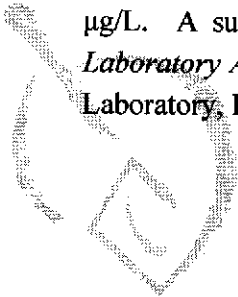
The laboratory analytical results indicated all soil samples contained PCB concentrations of less than 0.1 milligrams per kilogram (mg/kg). One Quality Assurance/Quality Control (QA/QC) sample was collected by pouring de-ionized water over a decontaminated soil sampling tool, labeled "ER-1 Equipment Rinsate". The laboratory analytical results indicated the QA/QC sample contained an acceptable PCB concentration of less than the laboratory reporting limit of 0.010 micrograms per liter ($\mu\text{g/L}$). A summary of the laboratory analytical results is shown on Table 1 - *Pre-Excavation Laboratory Analytical Results*. A copy of the laboratory analytical report from Micro-Methods Laboratory, Inc. is attached

On Friday, October 31, 2008, Master Concrete Cutters II, Inc. saw-cut the concrete along the perimeter of the Tanking Pit and Rail Pit VP-2. Rail Pit VP-1 is to be excavated at a later date. EMS recovered approximately 200 gallons of saw-cut runoff water, consolidated the water in a plastic storage tank for disposal by KEC, and collected a sample for laboratory analysis, labeled SCW.

The saw-cut runoff water sample was analyzed by Micro-Methods Laboratory, Inc. for PCBs using EPA Method 8082. The laboratory analytical results indicated the saw-cut runoff water sample contained a PCB concentration of 39.1 µg/L. A summary of the laboratory analytical results is shown on Table 2 - *Confirmation Laboratory Analytical Results*. A copy of the laboratory analytical report from Micro-Methods Laboratory, Inc. is attached. Selected photographs are attached.

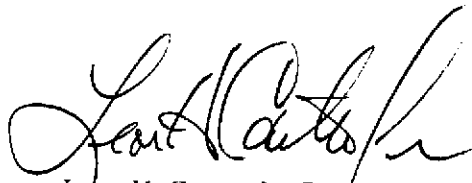
On Saturday, November 1, 2008, WHE excavated the two pit locations and stored the soil in four roll-off boxes for disposal by KEC. EMS collected six confirmation soil samples from the Tanking Pit location, four confirmation soil samples from the Rail Pit VP-2 location, and one composite profile sample from each of the four roll-off boxes containing soil, for a total of fourteen soil samples. The sampling protocol, methods, and procedures used complied with the EPA Region IV *Field Branches Quality System and Technical Procedures*, adopted by MDEQ. The soil sample locations are shown on Figure 1 - *Soil Sample Locations Tanking and Rail Pits*.

Fourteen soil samples were analyzed by Micro-Methods Laboratory, Inc. for PCBs using EPA Method 8082. The laboratory analytical results indicated the PCB concentrations: 1) in the Tanking Pit ranged from 0.002 to 0.348 mg/kg; 2) in the Rail Pit VP-2 ranged from 2.56 to 34.6 mg/kg; and, 3) in the roll-off boxes ranged from 0.019 to 2.06 mg/kg. One QA/QC sample was collected by pouring distilled water over a decontaminated soil sampling tool, labeled "Equipment Rinsate". The laboratory analytical results indicated the Equipment Rinsate sample contained an acceptable PCB concentration of less than the laboratory reporting limit of 0.053 µg/L. One QA/QC sample, a Trip Blank, was collected by Micro-Methods Laboratory, Inc., transported with the sample kit to the site, and returned to the laboratory for analysis for PCBs using EPA Method 8082. The laboratory analytical results indicated the Trip Blank sample contained an acceptable PCB concentration of less than the laboratory reporting limit of 0.051 µg/L. A summary of the laboratory analytical results is shown on Table 2 - *Confirmation Laboratory Analytical Results*. A copy of the laboratory analytical report from Micro-Methods Laboratory, Inc. is attached. Selected photographs are attached.



We appreciate the opportunity to provide these environmental services for you. If you have any questions regarding this report please contact me.

Sincerely,
ENVIRONMENTAL MANAGEMENT SERVICES, INC.



Leon H. Carter, Jr., P.E.
Senior Project Manager

TABLES

Table 1
Pre-Excavation Laboratory Analytical Results

Pre-Excavation Soil Analytical Results			
Date	Sample ID	Depth (feet)	PCB-1260 (mg/kg)
October 20, 2008	S1 - (0-4)	0-4	0.003
October 20, 2008	S1 - (4-8)	4-8	<0.001
October 20, 2008	S2 - (0-4)	0-4	0.019
October 20, 2008	S2 - (4-8)	4-8	0.002
October 20, 2008	S3 - (0-4)	0-4	0.008
October 20, 2008	S4 - (0-4)	0-4	0.038

QA/QC Sample			
Date	Sample ID	Matrix	PCBs (µg/L)
October 20, 2008	ER-1 (Equipment Rinsate)	water	<0.010

mg/kg = milligrams per kilogram
µg/L = micrograms per liter

Table 2
Confirmation Laboratory Analytical Results

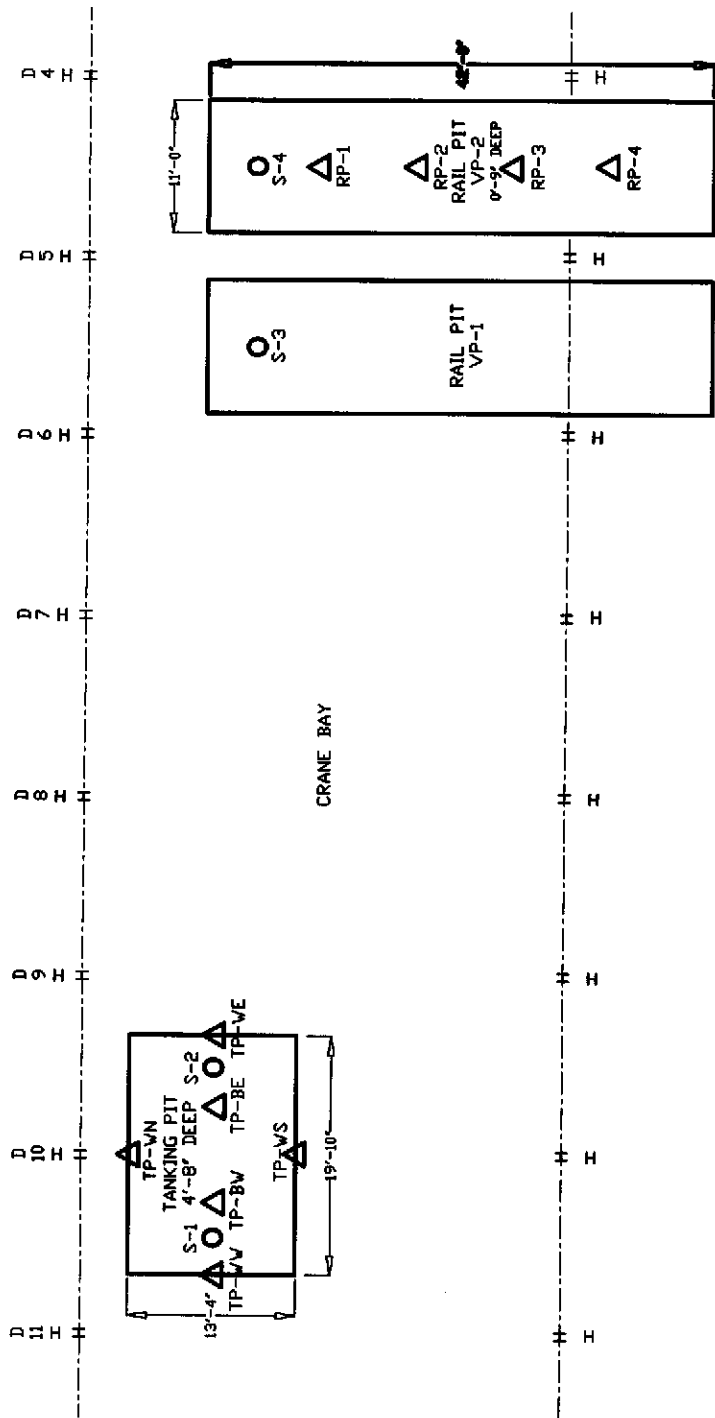
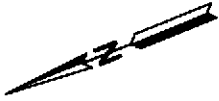
Confirmation Saw-cut Runoff Water Analytical Results			
Date	Sample ID	Matrix	PCBs (ug/L)
October 31, 2008	SCW (Saw-cut Runoff water)	Water	39.1

Confirmation Soil Analytical Results			
Date	Sample ID	Depth (inches)	PCB-1260 (mg/L)
November 1, 2008	TP-BE	0-6	0.138
November 1, 2008	TP-BW	0-6	0.348
November 1, 2008	TP-WN	0-6	0.002
November 1, 2008	TP-WS	0-6	0.032
November 1, 2008	TP-WE	0-6	0.002
November 1, 2008	TP-WW	0-6	0.002
November 1, 2008	RP-1	0-6	34.6
November 1, 2008	RP-2	0-6	26.4
November 1, 2008	RP-3	0-6	5.99
November 1, 2008	RP-4	0-6	2.56
November 1, 2008	Roll Off 20010	NA	0.426
November 1, 2008	Roll Off 20028	NA	2.06
November 1, 2008	Roll Off 20038	NA	0.056
November 1, 2008	Roll Off 20084	NA	0.019

QA/QC Samples			
Date	Sample ID	Matrix	PCBs (ug/L)
November 1, 2008	Equipment Rinsate	Water	<0.053
October 30, 2008	Trip Blank #2697	water	<0.051

mg/kg = milligrams per kilogram
 ug/L = micrograms per liter
 TP = Tanking Pit BE = Bottom East WN = Wall North WE = Wall East
 RP = Rail Pit BW = Bottom West WS = Wall South WW = Wall West

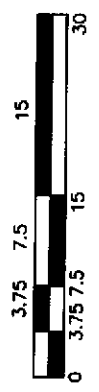
FIGURES



○ = SOIL SAMPLE LOCATION 10-20-08
 S-1

△ = SOIL SAMPLE LOCATION 11-01-08
 RP-1

SCALE 1 INCH = 15 FEET



ENVIRONMENTAL
 MANAGEMENT SERVICES, INC.

SOIL SAMPLE LOCATIONS TANKING AND RAIL PITS
 KILHAM ELECTRIC COMPANY
 101 KILHAM AVENUE
 CRYSTAL SPRING, MISSISSIPPI

1

APPROVED:	
DATE:	10/20/08
SCALE:	1" = 15'
PROJECT NO.:	108-104678
ISSUE NO.:	1
ISSUE DATE:	10/20/08

LABORATORY ANALYTICAL REPORT
SAMPLES COLLECTED OCTOBER 20, 2008



6500 Sunplex Drive
Ocean Springs, MS 39564
228.875.6420 Phone
228.875.6423 Fax

October 27, 2008

Clyde Woodward

Work Order # : 0810311

Environmental Management Services
PO Box 15369
Hattiesburg, MS 39404-5369

Purchase Order # KUHO-08009

RE: KEC Pit Excavation

Enclosed are the results of analyses for samples received by the laboratory on 10/21/08 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Harry P. Howell

President

DISCLAIMER

The results only relate to the items or the sample and/or samples received by the laboratory. This report shall not be reproduced except in full, without the approval of the laboratory.



6500 Sunplex Drive
Ocean Springs, MS 39564
228-875-6420 Phone
228-875-6423 Fax

Environmental Management Services
PO Box 15369
Hattiesburg MS, 39404-5369

Project: KEC Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
10/27/08 13:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 (0-4)	0810311-01	Soil	10/20/08 17:30	10/21/08 09:40
S-1 (4-8)	0810311-02	Soil	10/20/08 17:45	10/21/08 09:40
S-2(0-4)	0810311-03	Soil	10/20/08 17:05	10/21/08 09:40
S-2(4-8)	0810311-04	Soil	10/20/08 17:15	10/21/08 09:40
S-3(0-4)	0810311-05	Soil	10/20/08 16:35	10/21/08 09:40
S-4(0-4)	0810311-06	Soil	10/20/08 16:15	10/21/08 09:40
ER-1	0810311-07	Water	10/20/08 17:40	10/21/08 09:40



6500 Sunplex Drive
Ocean Springs, MS 39564
228-875-6420 Phone
228-875-6423 Fax

Environmental Management Services
PO Box 15369
Hattiesburg MS, 39404-5369

Project: KEC Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
10/27/08 13:09

Case Narrative

SAMPLE RECEIVING

Samples received in good condition.
Samples received at recommended range of 2-6° C.
Chain of Custody and container labels agree.
Container labels complete.
Chain of Custody complete.
Received on ice.

Organics
Batch #8J22004

The samples were analyzed within the required holding time. 8082
All target analytes in the lab blank were below the MRL. 8082
The instrument calibration met the acceptance criteria for all reported analytes. 8082
Surrogates within acceptance criteria range except as noted. 8082
Lab control samples within the acceptance criteria range. 8082
Matrix spike samples within the acceptance criteria range except as noted. 8082
Qualifiers: SR-01, M1, E-01, DL-2. See notes and definitions. 8082

Organics
Batch #8J21003

The samples were analyzed within the required holding time. 8082
All target analytes in the lab blank were below the MRL. 8082
The instrument calibration met the acceptance criteria for all reported analytes. 8082
Surrogates within acceptance criteria range except. 8082
Lab control samples within the acceptance criteria range except as noted. 8082
Matrix spike samples within the acceptance criteria range. 8082
Qualifiers: L1. See notes and definitions. 8082



6500 Sunplex Drive
 Ocean Springs, MS 39564
 228-875-6420 Phone
 228-875-6423 Fax

Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-1 (0-4)
0810311-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	"	"	"	"	"	"	
PCB-1232	ND	0.001	"	"	"	"	"	"	
PCB-1242	ND	0.001	"	"	"	"	"	"	
PCB-1248	ND	0.001	"	"	"	"	"	"	
PCB-1254	ND	0.001	"	"	"	"	"	"	
PCB-1260	0.003	0.001	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		54.0 %	30-129		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		41.0 %	10-118		"	"	"	"	



MICRO METHODS

LABORATORY, INC.

6500 Sunplex Drive
Ocean Springs, MS 39564
228-875-6420 Phone
228-875-6423 Fax

Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-1 (4-8)
0810311-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	"	"	"	"	"	"	
PCB-1232	ND	0.001	"	"	"	"	"	"	
PCB-1242	ND	0.001	"	"	"	"	"	"	
PCB-1248	ND	0.001	"	"	"	"	"	"	
PCB-1254	ND	0.001	"	"	"	"	"	"	
PCB-1260	ND	0.001	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		56.5 %	30-129		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		26.5 %	10-118		"	"	"	"	



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 228-875-6423 Fax

Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-2(0-4)
0810311-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.010	mg/kg	10	8122004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.010	"	"	"	"	"	"	
PCB-1232	ND	0.010	"	"	"	"	"	"	
PCB-1242	ND	0.010	"	"	"	"	"	"	
PCB-1248	ND	0.010	"	"	"	"	"	"	
PCB-1254	ND	0.010	"	"	"	"	"	"	
PCB-1260	0.019	0.010	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	"	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-2(4-8)
0810311-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	"	"	"	"	"	"	
PCB-1232	ND	0.001	"	"	"	"	"	"	
PCB-1242	ND	0.001	"	"	"	"	"	"	
PCB-1248	ND	0.001	"	"	"	"	"	"	
PCB-1254	ND	0.001	"	"	"	"	"	"	
PCB-1260	0.002	0.001	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		52.0 %	30-129		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		28.0 %	10-118		"	"	"	"	



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-3(0-4)
0810311-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	"	"	"	"	"	"	
PCB-1232	ND	0.001	"	"	"	"	"	"	
PCB-1242	ND	0.001	"	"	"	"	"	"	
PCB-1248	ND	0.001	"	"	"	"	"	"	
PCB-1254	ND	0.001	"	"	"	"	"	"	
PCB-1260	0.008	0.002	"	2	"	"	"	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		63.3 %		30-129	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		35.3 %		10-118	"	"	"	"	



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KEC Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 10/27/08 13:09
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S-4(0-4)
0810311-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	"	"	"	"	"	"	
PCB-1232	ND	0.001	"	"	"	"	"	"	
PCB-1242	ND	0.001	"	"	"	"	"	"	
PCB-1248	ND	0.001	"	"	"	"	"	"	
PCB-1254	ND	0.001	"	"	"	"	"	"	
PCB-1260	0.038	0.010	"	10	"	"	"	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		51.7 %		30-129	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		37.5 %		10-118	"	"	"	"	



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ER-1
0810311-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.010	ug/L	1	8J21003	10/21/08	10/24/08	EPA 8082	
PCB-1221	ND	0.010	"	"	"	"	"	"	
PCB-1232	ND	0.010	"	"	"	"	"	"	
PCB-1242	ND	0.010	"	"	"	"	"	"	
PCB-1248	ND	0.010	"	"	"	"	"	"	
PCB-1254	ND	0.010	"	"	"	"	"	"	
PCB-1260	ND	0.010	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		16.5 %		10-118	"	"	"	"	
Surrogate: Decachlorobiphenyl		63.0 %		10-129	"	"	"	"	



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Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8J21003 - EPA 3510C

Blank (8J21003-BLK1)

Prepared: 10/21/08 Analyzed: 10/24/08

PCB-1016	ND	0.010	ug/L							
PCB-1221	ND	0.010	"							
PCB-1232	ND	0.010	"							
PCB-1242	ND	0.010	"							
PCB-1248	ND	0.010	"							
PCB-1254	ND	0.010	"							
PCB-1260	ND	0.010	"							
Surrogate: Tetrachloro-meta-xylene	0.0600		"	0.200		30.0	10-118			
Surrogate: Decachlorobiphenyl	0.155		"	0.200		77.5	10-129			

LCS (8J21003-BS1)

Prepared: 10/21/08 Analyzed: 10/24/08

PCB-1016	0.083		ug/L	0.0500		166	47-124			L1
PCB-1260	0.054		"	0.0500		108	50-150			
Surrogate: Tetrachloro-meta-xylene	0.0240		"	0.200		12.0	10-118			
Surrogate: Decachlorobiphenyl	0.117		"	0.200		58.5	10-129			

LCS Dup (8J21003-BSD1)

Prepared: 10/21/08 Analyzed: 10/24/08

PCB-1016	0.080		ug/L	0.0500		160	47-124	3.68	45	L1
PCB-1260	0.066		"	0.0500		132	50-150	20.0	45	
Surrogate: Tetrachloro-meta-xylene	0.0340		"	0.200		17.0	10-118			
Surrogate: Decachlorobiphenyl	0.121		"	0.200		60.5	10-129			

Batch 8J22004 - EPA 3550B

Blank (8J22004-BLK1)

Prepared: 10/22/08 Analyzed: 10/24/08

PCB-1016	ND	0.001	mg/kg							
PCB-1221	ND	0.001	"							
PCB-1232	ND	0.001	"							
PCB-1242	ND	0.001	"							
PCB-1248	ND	0.001	"							
PCB-1254	ND	0.001	"							
PCB-1260	ND	0.001	"							
Surrogate: Decachlorobiphenyl	0.00477		"	0.00667		71.5	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00360		"	0.00667		54.0	10-118			



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Project: KEC Pit Excavation
 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 10/27/08 13:09

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8J22004 - EPA 3550B

LCS (8J22004-BS1)

Prepared: 10/22/08 Analyzed: 10/24/08

PCB-1016	0.002		mg/kg	0.00167		116	47-124			
PCB-1260	0.001		"	0.00167		86.0	50-150			
Surrogate: Decachlorobiphenyl	0.00383		"	0.00667		57.5	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00303		"	0.00667		45.5	10-118			

LCS Dup (8J22004-BSD1)

Prepared: 10/22/08 Analyzed: 10/24/08

PCB-1016	0.002		mg/kg	0.00167		102	47-124	12.8	45	
PCB-1260	0.002		"	0.00167		108	50-150	22.7	45	
Surrogate: Decachlorobiphenyl	0.00490		"	0.00667		73.5	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00407		"	0.00667		61.0	10-118			

Matrix Spike (8J22004-MS1)

Source: 0810311-02

Prepared: 10/22/08 Analyzed: 10/24/08

PCB-1016	0.003		mg/kg	0.00165	ND	152	25-150			M1
PCB-1260	0.001		"	0.00165	ND	90.0	25-150			
Surrogate: Decachlorobiphenyl	0.00366		"	0.00660		55.5	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00264		"	0.00660		40.0	10-118			

Certified Analyses included in this Report

Analyte	Certifications
EPA 8082 in Water	
PCB-1016	LELAP, NELAP
PCB-1221	LELAP, NELAP
PCB-1232	LELAP, NELAP
PCB-1242	LELAP, NELAP
PCB-1248	LELAP, NELAP
PCB-1254	LELAP, NELAP
PCB-1260	LELAP, NELAP

Code	Description	Number	Expires
LELAP	LA Enviro Lab Accreditation Program	01960	06/30/2009
NELAP	National Enviro Lab Accreditation Program		06/30/2009



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Project: KEC Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
10/27/08 13:09

Notes and Definitions

SR01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.

M1 MS/MSD Recovery limit exceeded.

L1 LCS and/or LCSD Recovery Limit exceeded.

E-01 The concentration for this analyte is above the calibration range of the instrument. Results are from a secondary dilution.

DL-2 Analyzed at a secondary dilution.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Name/No.: KEC pit excavation
 P.O. No.: 10/20/08
 Location: Crystal Springs, MS
 Shipping Container ID: A-11111
 Sampler(s): (601) 544-3674
 Contact Phone No.: WV 0810311

Routing Instructions:
 E-mail results to
 Fax results to
 Mail original to: Hattiesburg, MS, Attn: Clyde Woodward
 El Dorado, AR, Attn:
 Baton Rouge, LA, Attn:

Sample Identity	Date	Time	Comp	Grab	Media	No. of Containers	Remarks/Condition upon Receipt
S-1 (0-4)	10-20-08	17:30	✓		Soil	1	
S-1 (4-8)	10-20-08	17:45	✓		Soil	1	
S-2 (0-4)	10-20-08	17:05	✓		Soil	1	
S-2 (4-8)	10-20-08	17:15	✓		Soil	1	
S-3 (0-4)	10-20-08	16:35	✓		Soil	1	
S-4 (0-4)	10-20-08	16:45	✓		Soil	1	
ER-1	10-20-08	17:40	✓		Liquid	1	
Transporter:						Total Containers:	7

PCB, 8032AN

SAMPLE TRANSFER (Retain original with samples)

1. Requisitioned by: [Signature] (Name) (Organization) 10/21/08 (Date/Time) 9:40 (Date/Time)
 Received by: Clyde Woodward (Name) (Organization)
 2. Requisitioned by: [Signature] (Name) (Organization) 5:10 (Date/Time) 4:40 (Date/Time)
 Received by: [Signature] (Name) (Organization)

LABORATORY ANALYTICAL REPORT
SAMPLES COLLECTED NOVEMBER 1, 2008



6500 Sunplex Drive
Ocean Springs, MS 39564
228.875.6420 Phone
228.875.6423 Fax

November 20, 2008

Clyde Woodward

Work Order # : 0811026

Environmental Management Services
PO Box 15369
Hattiesburg, MS 39404-5369
RE: KUHO-08-011 Pit Excavation

Purchase Order #

Enclosed are the results of analyses for samples received by the laboratory on 11/03/08 16:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Harry P. Howell'.

Harry P. Howell

President

DISCLAIMER

The results only relate to the items or the sample and/or samples received by the laboratory. This report shall not be reproduced except in full, without the approval of the laboratory.



MICRO-METHODS

LABORATORY, INC.

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Environmental Management Services
PO Box 15369
Hattiesburg MS, 39404-5369

Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-BE-Soil	0811026-01	Soil	11/01/08 19:10	11/03/08 16:10
TP-BW-Soil	0811026-02	Soil	11/01/08 19:03	11/03/08 16:10
TP-WN-Soil	0811026-03	Soil	11/01/08 18:00	11/03/08 16:10
TP-WS-Soil	0811026-04	Soil	11/01/08 19:00	11/03/08 16:10
TP-WE-Soil	0811026-05	Soil	11/01/08 18:45	11/03/08 16:10
TP-WW-Soil	0811026-06	Soil	11/01/08 18:50	11/03/08 16:10
RP-1-SOIL	0811026-07	Soil	11/01/08 20:10	11/03/08 16:10
RP-2-SOIL	0811026-08	Soil	11/01/08 20:00	11/03/08 16:10
RP-3-SOIL	0811026-09	Soil	11/01/08 19:50	11/03/08 16:10
RP-4-SOIL	0811026-10	Soil	11/01/08 19:45	11/03/08 16:10
ROLL OFF 20010-SOIL	0811026-11	Soil	11/01/08 17:30	11/03/08 16:10
ROLL OFF 20028-SOIL	0811026-12	Soil	11/01/08 18:39	11/03/08 16:10
ROLL OFF 20038-SOIL	0811026-13	Soil	11/01/08 14:00	11/03/08 16:10
ROLL OFF 20084-SOIL	0811026-14	Soil	11/01/08 17:50	11/03/08 16:10
SCW- SAW-CUT WATER-WATER	0811026-15	Water	11/01/08 18:30	11/03/08 16:10
EQUIPMENT RINSATE-WATER	0811026-16	Water	11/01/08 19:15	11/03/08 16:10
TRIP BLANK #2697-WATER	0811026-17	Water	11/01/08 18:00	11/03/08 16:10



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Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

Case Narrative

SAMPLE RECEIVING

Samples received in good condition.
Samples received at 7.7 °C. Recommended range is 2-6° C.
Chain of Custody and container labels agree.
Container labels complete.
Chain of Custody complete.
Received on ice.

Organics - PCB
Batch #8K11002 & 8K07003

The sample(s) were analyzed within the required holding time. 8082
All target analytes in the lab blank were below the MRL. 8082
The instrument calibration met the acceptance criteria for all reported analytes. 8082
All surrogates were within the acceptance criteria range except as noted. 8082
Lab control sample(s) within the acceptance criteria range. 8082
Matrix spike sample(s) within acceptance criteria range except as noted. 8082
Qualifiers: DL-2, E-01, SR-01, SR-15, M1, M2, M5. See notes and definitions. 8082



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Environmental Management Services
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Project: KUHO-08-011 Pit Excavation
 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

TP-BE-Soil
0811026-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.050	mg/kg	10	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	ND	0.500	"	"	"	"	"	"	
PCB-1254	ND	0.500	"	"	"	"	"	"	
PCB-1260	0.138	0.020	"	40	"	"	11/12/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		56.0 %		30-129	"	"	11/11/08	"	SR14
<i>Surrogate: Tetrachloro-meta-xylene</i>		56.5 %		10-118	"	"	"	"	SR14



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Project: KUHO-08-011 Pit Excavation
 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

TP-BW-Soil
0811026-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.050	mg/kg	10	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.499	"	"	"	"	"	"	
PCB-1232	ND	0.499	"	"	"	"	"	"	
PCB-1242	ND	0.499	"	"	"	"	"	"	
PCB-1248	ND	0.499	"	"	"	"	"	"	
PCB-1254	ND	0.499	"	"	"	"	"	"	
PCB-1260	0.348	0.050	"	100	"	"	11/12/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		45.5 %		30-129	"	"	11/11/08	"	SR14
<i>Surrogate: Tetrachloro-meta-xylene</i>		44.5 %		10-118	"	"	"	"	SR14



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Project: KUHO-08-011 Pit Excavation
 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

TP-WN-Soil
0811026-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by EPA Method 8082

PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	0.002	0.0005	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		57.6 %	30-129	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		52.3 %	10-118	"	"	"	"	"	



MICRO METHODS

L. A. BERTHIAUME, INC.

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PO Box 15369
Hattiesburg MS, 39404-5369

Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

TP-WS-Soil 0811026-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	0.032	0.005	"	10	"	"	11/12/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		44.0 %		30-129	"	"	11/12/08	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		44.1 %		10-118	"	"	"	"	



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KUHO-08-011 Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 11/20/08 10:54
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TP-WE-Soil
0811026-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	0.002	0.0005	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		59.1 %	30-129	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		51.1 %	10-118	"	"	"	"	"	



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Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

TP-WW-Soil 0811026-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	0.002	0.0005	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		<i>55.4 %</i>	<i>30-129</i>		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		<i>49.8 %</i>	<i>10-118</i>		"	"	"	"	



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KUHO-08-011 Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 11/20/08 10:54
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RP-1-SOIL
0811026-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.495	mg/kg	100	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	4.95	"	"	"	"	"	"	
PCB-1232	ND	4.95	"	"	"	"	"	"	
PCB-1242	ND	4.95	"	"	"	"	"	"	
PCB-1248	ND	4.95	"	"	"	"	"	"	
PCB-1254	ND	4.95	"	"	"	"	"	"	
PCB-1260	34.6	4.95	"	10000	"	"	11/12/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	11/11/08	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01



MICRO METHODS

LABORATORY, INC.

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PO Box 15369
Hattiesburg MS, 39404-5369

Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

RP-2-SOIL 0811026-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.500	mg/kg	100	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	5.00	"	"	"	"	"	"	
PCB-1232	ND	5.00	"	"	"	"	"	"	
PCB-1242	ND	5.00	"	"	"	"	"	"	
PCB-1248	ND	5.00	"	"	"	"	"	"	
PCB-1254	ND	5.00	"	"	"	"	"	"	
PCB-1260	26.4	5.00	"	10000	"	"	11/14/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	11/12/08	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01

DL-2



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Environmental Management Services PO Box 15369 Hattiesburg MS, 39404-5369	Project: KUHO-08-011 Pit Excavation Project Number: [none] Project Manager: Clyde Woodward	Reported: 11/20/08 10:54
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RP-3-SOIL
0811026-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.497	mg/kg	100	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	4.97	"	"	"	"	"	"	
PCB-1232	ND	4.97	"	"	"	"	"	"	
PCB-1242	ND	4.97	"	"	"	"	"	"	
PCB-1248	ND	4.97	"	"	"	"	"	"	
PCB-1254	ND	4.97	"	"	"	"	"	"	
PCB-1260	5.99	0.994	"	2000	"	"	11/14/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	11/12/08	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01



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 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

RP-4-SOIL
0811026-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Polychlorinated Biphenyls by EPA Method 8082

DL-2

PCB-1016	ND	0.499	mg/kg	100	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	4.99	"	"	"	"	"	"	
PCB-1232	ND	4.99	"	"	"	"	"	"	
PCB-1242	ND	4.99	"	"	"	"	"	"	
PCB-1248	ND	4.99	"	"	"	"	"	"	
PCB-1254	ND	4.99	"	"	"	"	"	"	
PCB-1260	2.56	0.499	"	1000	"	"	11/14/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	11/12/08	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01



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ROLL OFF 20010-SOIL
0811026-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	0.426	0.050	"	100	"	"	"	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		41.1 %		30-129	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		34.9 %		10-118	"	"	"	"	



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ROLL OFF 20028-SOIL
0811026-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.498	mg/kg	100	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	4.98	"	"	"	"	"	"	
PCB-1232	ND	4.98	"	"	"	"	"	"	
PCB-1242	ND	4.98	"	"	"	"	"	"	
PCB-1248	ND	4.98	"	"	"	"	"	"	
PCB-1254	ND	4.98	"	"	"	"	"	"	
PCB-1260	2.06	0.498	"	1000	"	"	11/12/08	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		30-129	"	"	11/11/08	"	SR01
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		10-118	"	"	"	"	SR01



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 Project Manager: Clyde Woodward

Reported:
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ROLL OFF 20038-SOIL
0811026-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.100	mg/kg	20	8K11002	11/11/08	11/14/08	EPA 8082	
PCB-1221	ND	0.998	"	"	"	"	"	"	
PCB-1232	ND	0.998	"	"	"	"	"	"	
PCB-1242	ND	0.998	"	"	"	"	"	"	
PCB-1248	ND	0.998	"	"	"	"	"	"	
PCB-1254	ND	0.998	"	"	"	"	"	"	
PCB-1260	0.056	0.010	"	"	"	"	"	"	E-01
<i>Surrogate: Decachlorobiphenyl</i>		%		<i>30-129</i>	"	"	"	"	<i>SR01</i>
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		<i>10-118</i>	"	"	"	"	<i>SR01</i>



MICRO METHODS

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Reported:
11/20/08 10:54

ROLL OFF 20084-SOIL 0811026-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.025	mg/kg	5	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.250	"	"	"	"	"	"	
PCB-1232	ND	0.250	"	"	"	"	"	"	
PCB-1242	ND	0.250	"	"	"	"	"	"	
PCB-1248	ND	0.250	"	"	"	"	"	"	
PCB-1254	ND	0.250	"	"	"	"	"	"	
PCB-1260	0.019	0.002	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		57.5 %		30-129	"	"	"	"	SR14
Surrogate: Tetrachloro-meta-xylene		53.5 %		10-118	"	"	"	"	SR14

DL-2



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 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

SCW- SAW-CUT WATER-WATER
0811026-15 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	57.5	ug/L	100	8K07003	11/07/08	11/14/08	EPA 8082	
PCB-1221	ND	57.5	"	"	"	"	"	"	
PCB-1232	ND	57.5	"	"	"	"	"	"	
PCB-1242	ND	57.5	"	"	"	"	"	"	
PCB-1248	ND	57.5	"	"	"	"	"	"	
PCB-1254	ND	57.5	"	"	"	"	"	"	
PCB-1260	39.1	28.7	"	500	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		%		<i>10-118</i>	"	"	"	"	<i>SR01</i>
<i>Surrogate: Decachlorobiphenyl</i>		%		<i>10-129</i>	"	"	"	"	<i>SR01</i>

DL-2



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Reported:
 11/20/08 10:54

EQUIPMENT RINSATE-WATER
0811026-16 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.529	ug/L	1	8K07003	11/07/08	11/12/08	EPA 8082	
PCB-1221	ND	0.529	"	"	"	"	"	"	
PCB-1232	ND	0.529	"	"	"	"	"	"	
PCB-1242	ND	0.529	"	"	"	"	"	"	
PCB-1248	ND	0.529	"	"	"	"	"	"	
PCB-1254	ND	0.529	"	"	"	"	"	"	
PCB-1260	ND	0.053	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		36.2 %		10-118	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		47.0 %		10-129	"	"	"	"	



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 Project Number: [none]
 Project Manager: Clyde Woodward

Reported:
 11/20/08 10:54

TRIP BLANK #2697-WATER
0811026-17 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.508	ug/L	1	8K07003	11/07/08	11/12/08	EPA 8082	
PCB-1221	ND	0.508	"	"	"	"	"	"	
PCB-1232	ND	0.508	"	"	"	"	"	"	
PCB-1242	ND	0.508	"	"	"	"	"	"	
PCB-1248	ND	0.508	"	"	"	"	"	"	
PCB-1254	ND	0.508	"	"	"	"	"	"	
PCB-1260	ND	0.051	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		18.2 %		10-118	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		35.9 %		10-129	"	"	"	"	



MICRO - METHODS

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Project: KUHO-08-011 Pit Excavation
Project Number: [none]
Project Manager: Clyde Woodward

Reported:
11/20/08 10:54

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
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Batch 8K07003 - EPA 3510C

Blank (8K07003-BLK1)

Prepared: 11/07/08 Analyzed: 11/18/08

PCB-1016	ND	0.500	ug/L							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.050	"							
Surrogate: Tetrachloro-meta-xylene	0.142		"	0.200		70.8	10-118			
Surrogate: Decachlorobiphenyl	0.196		"	0.200		97.8	10-129			

LCS (8K07003-BS1)

Prepared: 11/07/08 Analyzed: 11/18/08

PCB-1016	0.038	0.500	ug/L	0.0500		76.0	47-124			
PCB-1260	0.032	0.050	"	0.0500		64.0	50-150			
Surrogate: Tetrachloro-meta-xylene	0.151		"	0.200		75.7	10-118			
Surrogate: Decachlorobiphenyl	0.174		"	0.200		87.0	10-129			

LCS Dup (8K07003-BSD1)

Prepared: 11/07/08 Analyzed: 11/18/08

PCB-1016	0.035	0.500	ug/L	0.0500		70.0	47-124	8.22	45	
PCB-1260	0.032	0.050	"	0.0500		64.0	50-150	0.00	45	
Surrogate: Tetrachloro-meta-xylene	0.156		"	0.200		78.2	10-118			
Surrogate: Decachlorobiphenyl	0.176		"	0.200		88.0	10-129			

Batch 8K11002 - EPA 3550B

Blank (8K11002-BLK1)

Prepared: 11/11/08 Analyzed: 11/14/08

PCB-1016	ND	0.005	mg/kg							
PCB-1221	ND	0.050	"							
PCB-1232	ND	0.050	"							
PCB-1242	ND	0.050	"							
PCB-1248	ND	0.050	"							
PCB-1254	ND	0.050	"							
PCB-1260	ND	0.0005	"							
Surrogate: Decachlorobiphenyl	0.00386		"	0.00667		57.9	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00355		"	0.00667		53.3	10-118			



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Reported:
 11/20/08 10:54

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8K11002 - EPA 3550B

LCS (8K11002-BS1)

Prepared: 11/11/08 Analyzed: 11/12/08

PCB-1016	0.001		mg/kg	0.00167		72.6	47-124			
PCB-1260	0.001		"	0.00167		71.8	50-150			
Surrogate: Decachlorobiphenyl	0.00339		"	0.00667		50.8	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00370		"	0.00667		55.5	10-118			

LCS Dup (8K11002-BS1)

Prepared: 11/11/08 Analyzed: 11/12/08

PCB-1016	0.001		mg/kg	0.00167		82.4	47-124	12.6	45	
PCB-1260	0.001		"	0.00167		74.2	50-150	3.29	45	
Surrogate: Decachlorobiphenyl	0.00340		"	0.00667		51.0	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00322		"	0.00667		48.3	10-118			

Matrix Spike (8K11002-MS1)

Source: 0811026-01

Prepared: 11/11/08 Analyzed: 11/12/08

PCB-1016	0.003		mg/kg	0.00166	ND	158	25-150			M1
PCB-1260	0.056		"	0.00166	0.138	NR	25-150			M2, M5
Surrogate: Decachlorobiphenyl	0.00349		"	0.00665		52.6	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00349		"	0.00665		52.5	10-118			

Certified Analyses included in this Report

Analyte	Certifications
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EPA 8082 In Water

PCB-1016	LELAP, NELAP
PCB-1221	LELAP, NELAP
PCB-1232	LELAP, NELAP
PCB-1242	LELAP, NELAP
PCB-1248	LELAP, NELAP
PCB-1254	LELAP, NELAP
PCB-1260	LELAP, NELAP

Code	Description	Number	Expires
LELAP	LA Enviro Lab Accreditation Program	01960	06/30/2009
NELAP	National Enviro Lab Accreditation Program		06/30/2009



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11/20/08 10:54

Notes and Definitions

- SR14 Surrogate concentrations are below instrument calibration range due to sample dilution. Surrogate recoveries are estimated values due to dilution factors being applied to estimated concentration.
- SR01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- M5 Spike amounts should be in the range of 1 to 5 times the background level when a sample contains the target parameter in order to effectively evaluate spike recoveries. Batch acceptance is based on LCS/LCSD recoveries.
- M2 MS/MSD Recovery below acceptable limit.
- M1 MS/MSD Recovery limit exceeded.
- E-01 The concentration for this analyte is above the calibration range of the instrument. Results are from a secondary dilution.
- DL-2 Analyzed at a secondary dilution.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference

Micro-Methods Lab, Inc.
 6508 Sumpter Drive, Ocean Springs, MS 39564
 Ph: 228-875-6420 • Fax: 228-875-6423

REPORT RESULTS TO:
 Company: EMS

SEND INVOICE TO:
 Company: KUNLUND
 Name: ALAN THOMAS
 Address: 101 KUNLUND DRIVE
CRYSTAL SPRINGS
 City: MS State: MS ZIP: 39059
 TEL: 601-872-6442 FAX: 601-872-6446
 Project Name: KUMD-08-OIL AT EXCAVATION

Field site: 11/3/08 Tech: 000 Time: 10:10
 Field Temperature: 7.7°C
 Isot: Yes
 Sample Receipt Temperature:

Chain of Custody / Analysis Request Form
 Print ALL Information. Put N/A in blanks not applicable

TURNAROUND TIME
 Date Results needed by: _____
 Standard turnaround time is 10 working days
 The following turnaround times require lab approval:
 7-10 days 72 Hrs 48 Hrs
 24 Hrs Approved by _____
 Date of Sample Shipment: _____

Failure to complete shaded areas will hinder processing of samples.

For Lab Use Only Sample Number	Station Location / Sample ID	DATE	TIME	Sampling		Date & Time Received	Received By Signature	Printed Name	Date & Time Released	Released By Signature	Printed Name
				C O M P	G R A B						
	<u>W00811020</u>										
1.	<u>TP-BE - SOIL</u>	<u>11/08</u>	<u>1910</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
2.	<u>TP-BW - SOIL</u>	<u>11/08</u>	<u>1903</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
3.	<u>TP-WN - SOIL</u>	<u>11/08</u>	<u>1800</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
4.	<u>TP-WLS - SOIL</u>	<u>11/08</u>	<u>1900</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
5.	<u>TP-WE - SOIL</u>	<u>11/08</u>	<u>1845</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
6.	<u>TP-WW - SOIL</u>	<u>11/08</u>	<u>1850</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
7.	<u>RP-1 - SOIL</u>	<u>11/08</u>	<u>2010</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
8.	<u>RP-2 - SOIL</u>	<u>11/08</u>	<u>2000</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
9.	<u>RP-3 - SOIL</u>	<u>11/08</u>	<u>1950</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
10.	<u>RP-4 - SOIL</u>	<u>11/08</u>	<u>1945</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

Please indicate reporting requirements:
 1. Results Only (EPA Level I)
 2. Results & QC (EPA Level II)
 3. Results, QC and Raw Data (EPA Level III)

Received By Signature: _____
 Printed Name: Alan Thomas
 Date & Time Received: 11/3/08 10:30

Released By Signature: _____
 Printed Name: Alan Thomas
 Date & Time Released: 11/3/08 11:00

CONTAINERS

Received By Signature: _____
 Printed Name: Alan Thomas
 Date & Time Received: 11/3/08 10:30

Released By Signature: _____
 Printed Name: Alan Thomas
 Date & Time Released: 11/3/08 11:00

Micro-Methods Lab, Inc.
 6500 Sunplex Drive, Ocean Springs, MS 39564
 Ph: 228-875-6428 • Fax: 228-875-6423

Field pH: 11/3/08 Tech: CBB Time: 1610
 Field Temperature: 7.70C Demandic
 Lead: Yes No
 Sample Receipt Temperature:

Chain of Custody / Analysis Request Form
 Print ALL Information. Put N/A in blanks not applicable

REPORT RESULTS TO:
 Company: E.M.S
 Name: CLYDE WOODWARD
 Address: P.O. Box 15369
 City: HATTIESBURG
 State: MS ZIP: 39404
 TEL: 601-544-3674 FAX: 601-544-0504

SEND INVOICE TO:
 Company: KUHLMAN POF:
 Name: ALAN THOMAS
 Address: 101 KUHLMAN DR.
 City: CRYSTAL SPRINGS
 State: MS ZIP: 39059
 TEL: 601-892-6468 FAX: 601-892-6476

TURNAROUND TIME
 Date Results needed by:
 Standard turnaround time is 10 working days. 7-10 days 24 Hrs 48 Hrs

The following turnaround times require lab approval:
 7-10 days 72 Hrs 48 Hrs
 24 Hrs Approved by:

Date of Sample Shipment: 11/3/08

Project Name: KUHO-08-011 PET EXHAUST

Failure to complete shaded areas will hinder processing of samples.

For Lab Use Only	Station Location / Sample ID	DATE	TIME	GRA B	COM P	CONTAINERS
1.	ROLL OFF 20010 -SOIL	11/01/08	1730	✓	✓	1
2.	ROLL OFF 2002A -SOIL	11/01/08	1839	✓	✓	1
3.	ROLL OFF 2003B -SOIL	11/01/08	1400	✓	✓	1
4.	ROLL OFF 20084 -SOIL	11/01/08	1750	✓	✓	1
5.	SCH - SAW CUT WATER - WATER	10/31/08	1830	✓	✓	1
6.	EQUIPMENT RINSE - WATER	11/01/08	1915	✓	✓	1
7.	TRAP BLACK #297 - WATER	11/30/08	-	✓	✓	1
8.						
9.						
10.						

Station Location / Sample ID: W0 0811026

Released By: [Signature] Date & Time Released: 11/01/08 2020
Printed Name: LEON H. CARTER JR.
Received By: [Signature] Date & Time Received: 11/01/08 2020
Printed Name: Cady Cannon

Released By: [Signature] Date & Time Released: 11/3/08 1030
Printed Name: CLYDE WOODWARD
Received By: [Signature] Date & Time Received: 11/01/08 1030
Printed Name: CHRISTINA SHERS

Please indicate reporting requirements:
 1. Metals Only (EPA Level I)
 2. Metals & PC (EPA Level II)
 3. Metals, PC and Heavy Metals (EPA Level III)

11/3/08 1610
 CLYDE WOODWARD
 CHRISTINA SHERS
 CAROL BROWDER
 11/3/08 1610

PHOTOGRAPHS



PHOTO 3 EXCAVATION.



PHOTO 4 SAMPLE PREPARATION AREA

SITE PHOTOGRAPHS

TANKING PIT EXCAVATION - CRANE BAY
 KUHLMAN ELECTRIC COMPANY
 101 KUHLMAN DRIVE
 CRYSTAL SPRINGS, MISSISSIPPI

DATE: 11/24/08	APPROVED:	DRAWN BY: POM
SCALE: N.T.S.	BY: DATE:	PROJECT NO. KUHO-08-01

ENVIRONMENTAL
 MANAGEMENT SERVICES INC.