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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 permit placing transformer core/coil assemblies into the transformer tank. KEC completed the project in January of 2009. This pit is the subject of the September 8, 2008 letter to MDEQ.

Kuhlman Electric's manufacturing capability has increased to permit building larger transformers. A pit was needed to permit the assembly of the larger transformers. Because KEC's bridge cranes are at a fixed elevation above the floor, KEC "lowers" the transformer case (via placing it into the pit) to permit placement of larger assemblies into the casing. Potentially contaminated soil was excavated to construct the pit. Walker Hill Environmental was contracted to excavate the soil. Walker Hill was selected because they have completed several environmental projects competently at the KEC site in past years.

Soil 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 Vapor Phase Rail excavation that took place the same weekend. A sketch within the EMS report details the location of the samples from each project site.

Excavation of the soil took place in KEC's "Assembly 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 reference fis are included as Figures 3 thru 8 inclusive.

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

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

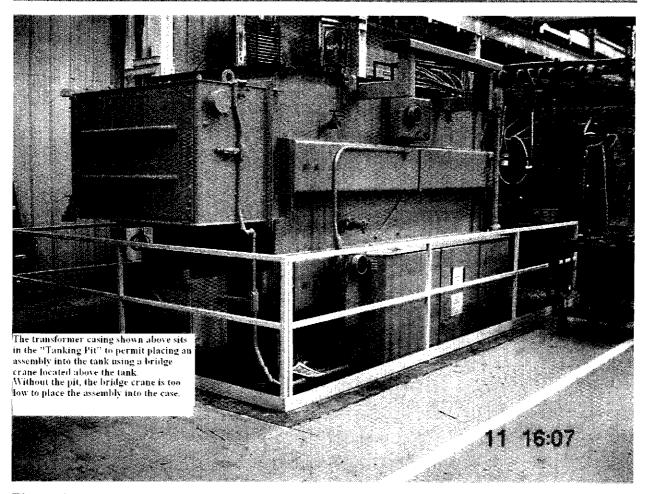


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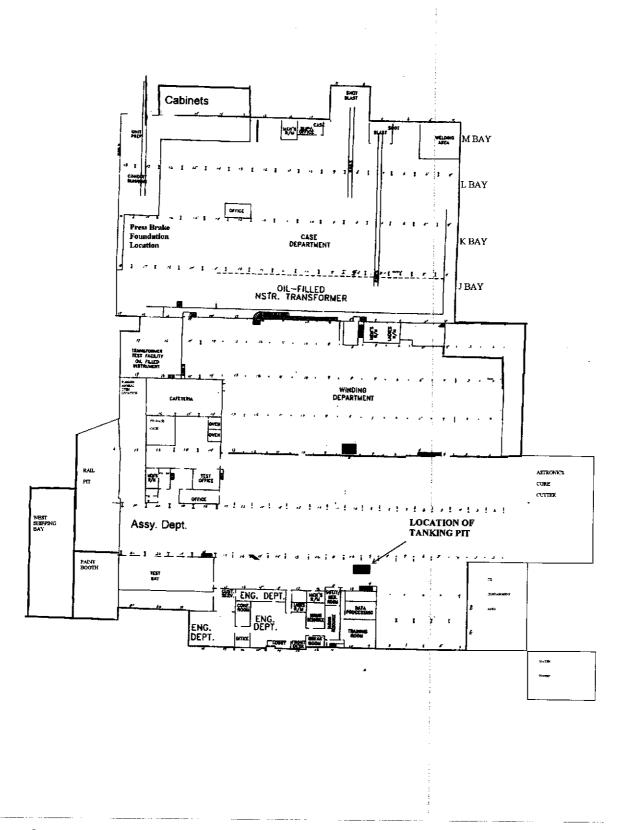


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Figure 8

APPENDIX I



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 (µg/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

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

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

 $mg/kg = milligrams per kilogram <math>\mu g/L = micrograms per liter$

Table 2
Confirmation Laboratory Analytical Results

	PCBs (ug/L)	39.1		DCB 1360 (1.74)	FCB-1200 (mg/L)	0.138	0.348	0.002	0.032	0.002	0.002	34.6	26.4	5.99	2.56	0.426	2.06	0.056	0.019
Water Analytical Results	Matrix	Water		narytical Results	Deput (mettes)	9-0	9-0	9-0	9-0	9-0	0-6	9-0	9-0	9-0	0-6	NA	NA	NA	NA
Confirmation Saw-cut Runoff Water Analytical Results	Sample ID	SCW (Saw-cut Runoff water)	A II. O and Homen Bank O	Sample ID Death Gr	Ol significant	IP-BE	TP-BW	TP-WN	TP-WS	TP-WE	TP-WW	RP-1	RP-2	RP-3	RP-4	Roll Off 20010	Roll Off 20028	Roll Off 20038	Roll Off 20084
	Date	October 31, 2008		Date	M	November 1, 2008													

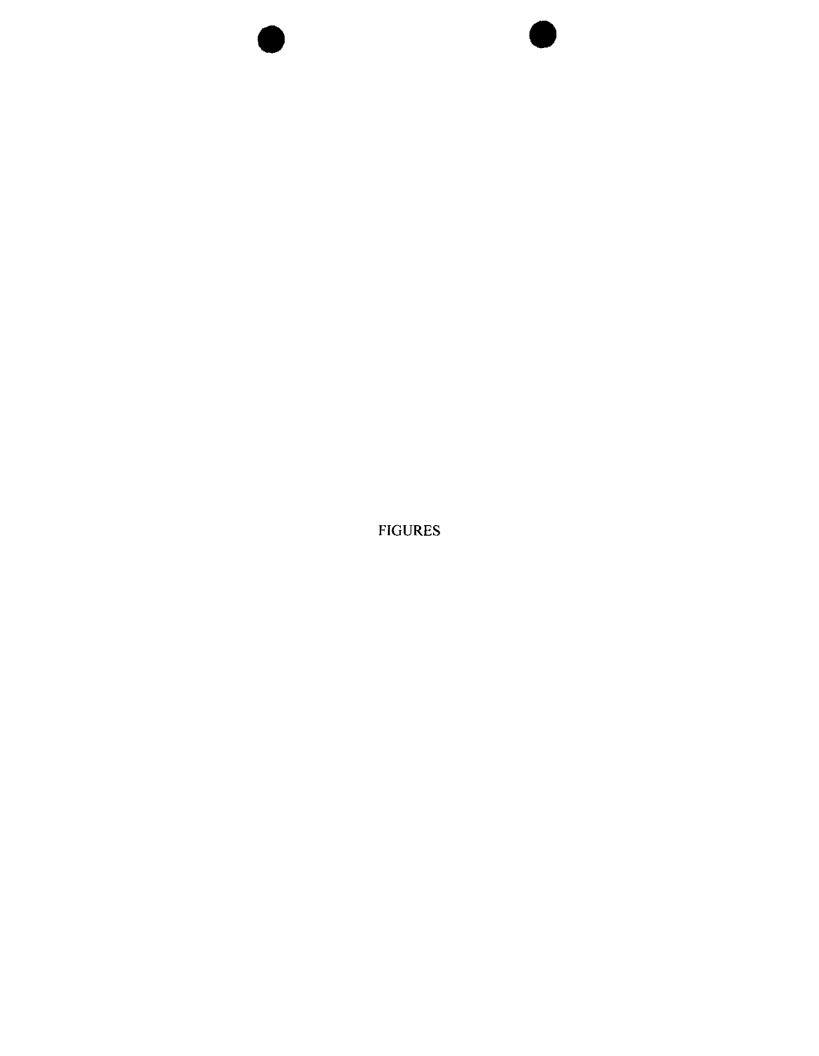
	PCBs (ug/L)	<0.053	<0.051
mples	Matrix	Water	water
QA/QC Samples	Sample ID	Equipment Rinsate	Trip Blank #2697
	Date	November 1, 2008	October 30, 2008

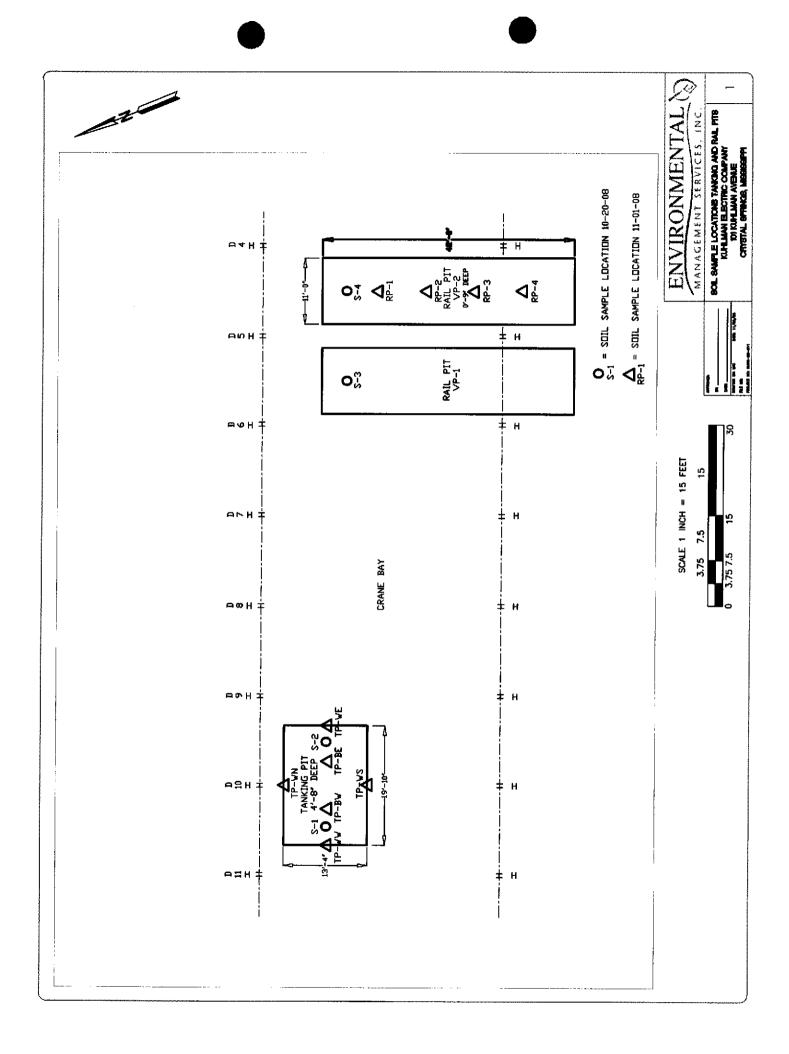
mg/kg = milligrams per kilogram TP = Tanking Pit ug/L = micrograms per liter RP = Rail Pit

WN = Wall North WS = Wall South

BE = Bottom East BW = Bottom West

WE = Wall EastWW = Wall West





LABORATORY ANALYTICAL REPORT
SAMPLES COLLECTED OCTOBER 20, 2008



October 27, 2008

Clyde Woodward

Work Order #:

0810311

Environmental Management Services PO Box 15369

Purchase Order # KUH0-08009

Hattiesburg, MS 39404-5369

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

Hany 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.



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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 definitons. 8082



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 10/27/08 13:09

S-1 (0-4) 0810311-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Ртерагеd	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0,001	*1	4	,,	н	**	h	
PCB-1232	ND	0.001	*1	4	P	h	•		
PCB-1242	ND	0.001	÷1		*		•	•	
PCB-1248	ND	0.001	u	**	*	•	"	•	
PCB-1254	ND	0.001	U	**	•	•		n	
PCB-1260	0.003	0.001	n	**		•		a	
Surrogate: Decachlorobiphenyl	St	54.0 %	30-1.	29	n	0	"	"	
Surrogate: Tetrachloro-meta-xylene		41.0 %	10-1.	18	o	u	п	IF.	



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: 10/27/08 13:09 Project Manager: Clyde Woodward

S-1 (4-8) 0810311-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	10	0	u	*	ı,	ч	
PCB-1232	ND	0.001	1+	**	a	п	lı .	п	
PCB-1242	ND	0.001	Pt			н	,	n	
PCB-1248	ND	0.001	и			4	"	"	
PCB-1254	ND	0.001	II .	ı,	*1	ŋ		**	
PCB-1260	ND	0.001	*	b	**	**	#	4+	
Surrogate: Decachlorobiphenyl		56.5 %	30-1	29	*	"	p.	"	
Surrogate: Tetrachloro-meta-xylene		26.5 %	10-1	18	w	w	ri	~	



Reported:

Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward 10/27/08 13:09

S-2(0-4) 0810311-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	lethod 8082								DL-2
PCB-1016	ND	0.010	mg/kg	10	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.010	н	*	11	**	11		
PCB-1232	ND	0.010	н	ч	и	"			
PCB-1242	ND	0.010	11	#	u		"	n	
PCB-1248	ND	0.010	ŧI				**	»	
PCB-1254	ND	0.010	U	•	*	n	**	*	
PCB-1260	0.019	0.010	17	+1	н			н	
Surrogate: Decachlorohiphenyl		%	30-	129	r	, n	*	"	SR01
Surrogate: Tetrachloro-meta-xylene		%	10-	118	n	n	n	19	SR01



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 10/27/08 13:09

S-2(4-8) 0810311-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	1ethod 8082								
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	#	,,	#	**	41	1+	
PCB-1232	ND	0.001	#		**	**	•	17	
PCB-1242	ND	0.001	Ħ	•	17		ii.	и	
PCB-1248	ND	0.001	u	*	u	1+	"	р	
PCB-1254	ND	0.001	11	*	P		"	D	
PCB-1260	0.002	0.001	*1	н	P P	b	77		
Surrogate: Decachlorobiphenyl		52.0 %	30-1	29	n	п	n		
Surrogate: Tetrachloro-meta-xylene		28.0 %	10-1	18	"	n	n	n	



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 10/27/08 13:09

S-3(0-4) 0810311-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0,001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	и	•		R	11	ν	
PCB-1232	ND	0.001	ŢI	•	,	Þ	n	n	
PCB-1242	ND	0.001	ti	•	*	"	**	H	
PCB-1248	ND	0.001	U	и	*	*		П	
PCB-1254	ND	0.001	11	**	•	*	u	પ	
PCB-1260	0.008	0.002	h	2		q	"	н	E-01
Surrogate: Decachlorobiphenyl		63.3 %	30-1	29	D	u		и	
Surrogate: Tetrachloro-meta-xylene		35.3 %	10-1	18	**	11	n	n	



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 10/27/08 13:09

S-4(0-4) 0810311-06 (Soil)

i									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	lethod 8082								
PCB-1016	ND	0.001	mg/kg	1	8J22004	10/22/08	10/24/08	EPA 8082	
PCB-1221	ND	0.001	u	н	*	-		,	
PCB-1232	ND	0.001	17	**	4	•		ч	
PCB-1242	ND	0.001	19	"	•	•	u	ч	
PCB-1248	ND	0.001	IF			•	D	n	
PCB-1254	ND	0.001	п	**		*		n	
PCB-1260	0.038	0.010	**	10	**	и	-	**	E-01
Surrogate: Decachlorobiphenyl		51.7%	30-1	29	"	"	p	, n	
Surrogate: Tetrachloro-meta-xylene		37.5 %	10-1	18	"	"	,,	"	



Reported:

10/27/08 13:09

Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

ER-1

0810311-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0.010	ug/L	1	8J21003	10/21/08	10/24/08	EPA 8082	
PCB-1221	ND	0.010	0	n	*	•		π.	
PCB-1232	ND	0.010	17	"	•		ı	4	
PCB-1242	ND	0.010	19	**	đ	+	lı.	ц	
PCB-1248	ND	0.010	10	••	•	u	,	**	
PCB-1254	ND	0.010	D.	**	"		•	**	
PCB-1260	ND	0.010		и	41	21	×		
Surrogate: Tetrachloro-meta-xylene		16.5 %	10-1	18	"	11	<i>n</i>	<i>"</i>	
Surrogate: Decachlorobiphenyl		63.0 %	10-1	29	"	#	tt	,,	



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369 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
	Vestut	LHOU	Units	revel	resuit	70NEC	Lumis	KrD	LIIBU	Notes
Batch 8J21003 - EPA 3510C										
Blank (8J21003-BLK1)				Prepared: 1	10/21/08 Ar	nalyzed: 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	010,0	ii.							
PCB-1260	ND	0.010	D							
Surrogate: Tetrachloro-meta-xylene	0.0600	•	,,	0.200		30.0	10-118			
Surrogate: Decachlorobiphenyl	0.155		n	0.200		77.5	10-129			
LCS (8J21003-BS1)				Prepared: 1	0/21/08 Ar	nalyzed: 10	/24/08			
PCB-1016	0,083		ug/L	0.0500		166	47-124			L
PCB-1260	0.054		"	0.0500		108	50-150			
Surrogate: Tetrachloro-meta-xylene	0.0240	V	"	0.200		12.0	10-118			
Surrogate: Decachlorobiphenyl	0.117		"	0.200		58.5	10-129			
LCS Dup (8J21003-BSD1)				Prepared: 1	0/21/08 An	alyzed: 10	/24/08			
PCB-1016	0.080		ug/L	0.0500		160	47-124	3.68	45	
PCB-1260	0.066		н	0.0500		132	50-150	20.0	45	
Surrogate: Tetrachloro-meta-xylene	0.0340		"	0.200		17.0	10-118			
Surrogate: Decachlorobiphenyl	0.121		U	0.200		60.5	10-129			
Batch 8J22004 - EPA 3550B										
Blank (8J22004-BLK1)				Prepared: 1	0/22/08 An	alyzed: 10	/24/08			
PCB-1016	ND	0.001	mg/kg							
PCB-1221	ND	0.001	"							
PCB-1232	ND	0.001	ir.							
PCB-1242	ND	0,001	r							
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			



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 10/27/08 13:09

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 8J22004 - EPA 3550B										
LCS (8J22004-BS1)				Prepared: 1	0/22/08 A	nalyzed: 10)/24/08			
PCB-1016	0.002		mg/kg	0.00167		116	47-124		**************************************	
PCB-1260	0.001		P	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: 1	0/22/08 A	nalyzed: 10	/24/08			
PCB-1016	0.002		mg/kg	0.00167		102	47-124	12.8	45	*
PCB-1260	0.002		+1	0.00167		108	50-150	22,7	45	
Surrogate: Decachlorobiphenyl	0.00490			0.00667		73.5	30-129			
Surragate: Tetrachloro-meta-xylene	0.00407		n	0.00667		61.0	10-118			
Matrix Spike (8J22004-MS1)	Sou	rce: 0810311-0)2	Prepared: 1	0/22/08 At	nalyzed: 10	/24/08			
PCB-1016	0.003		mg/kg	0.00165	ND	152	25-150	 :		 N
PCB-1260	0.001		*	0.00165	ND	90.0	25-150			
Surrogate: Decachlorobiphenyl	0.00366		0	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



Environmental Management Services

Project: KEC Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369 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.

MI MS/MSD Recovery limit exceeded.

LI 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

ENVIRONMENTAL (S)

Project Name/No.:

CHAIN-OF-CUSTODY RECORD

Routing Instructions:

| E-mail results to _____

Page 1 of/

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LABORATORY ANALYTICAL REPORT
SAMPLES COLLECTED NOVEMBER 1, 2008



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,

Harry P. Howell

Hany 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.



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: 11/20/08 10:54 Project Manager: Clyde Woodward

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



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: Project Manager: Clyde Woodward 11/20/08 10:54

TP-BE-Soit 0811026-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								DL-2
PCB-1016	ND	0.050	mg/kg	10	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.500	"	р	**	**	•	.,	
PCB-1232	ND	0.500	**	»	**	•	•	w	
PCB-1242	ND	0,500	u	*			ч	п	
PCB-1248	ND	0.500	4	•		14	11	н	
PCB-1254	ND	0.500	"		,	и	**	i r	
PCB-1260	0.138	0.020	U	40		n	11/12/08	π	E-01
Surrogate: Decachlorobiphenyl		56.0 %	30-1	129	n		11/11/08	, , , , ,	SR14
Surrogate: Tetrachloro-meta-xylene		56.5 %	10-1	18	,,	,,	"	*	SR14



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Reported:

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

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 M	lethod 8082								DL-2
PCB-1016	ND	0.050	mg/kg	10	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.499	U		•	*	"	*	
PCB-1232	ND	0.499	U	"	•	•	н	u	
PCB-1242	ND	0.499	IF	н	u	•	v	п	
PCB-1248	ND	0.499	п	t+	n	11	•	**	
PCB-1254	ND	0.499	н		"	"	*	**	
PCB-1260	0.348	0.050	*	100		,,	11/12/08	w	E-01
Surrogate: Decachlorobiphenyl		45.5 %	30-1	29	"	n	11/11/08	m	SR14
Surrogate: Tetrachloro-meta-xylene		44.5 %	10-1	18	"	"	"	n	SR14



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 11/20/08 10:54

TP-WN-Soil 0811026-03 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	0.050	n		*		n	"	
PCB-1232	ND	0.050	*	"	77	"	Ħ	**	
PCB-1242	ND	0.050	и			11	ч	"	
PCB-1248	ND	0.050	11	•		11		n	
PCB-1254	ND	0.050	7	•	þ	h	**	n	
PCB-1260	0.002	0.0005	U	Ŋ			19	n	
Surrogate: Decachlorobiphenyl		57.6 %	30-12	29			"	,	
Surrogate: Tetrachlorv-meta-xylene		52.3 %	10-11	18	n	#	*	"	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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 M	ethod 8082								
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	R	17	ч	ч	"	н	
PCB-1232	ND	0.050	h	e	11		•	n	
PCB-1242	ND	0.050	н		+1	"	•	**	
PCB-1248	ND	0.050	tr	D	**	"	•	**	
PCB-1254	ND	0.050	T	р	н	*1	11	**	
PCB-1260	0.032	0.005	11	10	**	**	11/12/08	u	E-01
Surrogate: Decachlorobiphenyl	-	44.0 %	30-1	129	#	п	11/12/08	· · · · · · · · · · · · · · · · · · ·	
Surrogate: Tetrachloro-meta-xylene		44.1 %	10-1	118	n	"	"	'n	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

Reported: 11/20/08 10:54

TP-WE-Soil 0811026-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	Lethod 8082								
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	#		*	"	•	17	
PCB-1232	ND	0.050	4	*	**		•	н	
PCB-1242	ND	0.050	"	-					
PCB-1248	ND	0.050	н	-	D	17		'n	
PCB-1254	ND	0.050	#	7		н	n	n.	
PCB-1260	0.002	0.0005	*1	đ	Þ		**	,,	
Surrogate: Decachlorobiphenyl		59.1 %	30-	129	*	"	"	n	
Surrogate: Tetrachloro-meta-xylene		51.1%	10-	118	π	n	n	n	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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 M	ethod 8082								
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	"	11	"		,	н	
PCB-1232	ND	0.050	**		"	"	*	+1	
PCB-1242	ND	0.050	#	ь	17	**	я	**	
PCB-1248	ND	0.050	п	•	"	**	и		
PCB-1254	ND	0.050	11	•	ji .		"	U	
PCB-1260	0.002	0.0005	u	u		μ	•	H	
Surrogate: Decachlorobiphenyl		55.4 %	30-1	29		#	и	n	
Surrogate: Tetrachloro-meta-xylene		49.8 %	10-1	18	"	"	"	"	



Environmental Management Services

Hattiesburg MS, 39404-5369

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Project Manager: Clyde Woodward

Reported: 11/20/08 10:54

RP-1-SOIL 0811026-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								DL-2
PCB-1016	ND	0.495	mg/kg	100	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	4.95	*1	•		"	*1	u	
PCB-1232	ND	4.95	u	4	*	P	77	н	
PCB-1242	ND	4.95	U	11		*		п	
PCB-1248	ND	4.95	P	**	a	•		u	
PCB-1254	ND	4.95		*		ч	"	n	
PCB-1260	34.6	4.95	n	10000	"	19	11/12/08	**	E-01
Surrogate: Decachlorobiphenyl		%	30-	129	,	"	11/11/08	<i>"</i>	SROI
Surrogate: Tetrachloro-meta-xylene		%	10-1	118	"	n	n	*	SR01



Environmental Management Services

Hattiesburg MS, 39404-5369

Project: KUHO-08-011 Pit Excavation

PO Box 15369

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 M	ethod 8082								DL-2
PCB-1016	ND	0.500	mg/kg	100	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	5,00	u	•		17			
PCB-1232	ND	5.00	ч	#		i*	"	n	
PCB-1242	ND	5.00	71	-		и	11	n	
PCB-1248	ND	5.00	77		•	,,	**	*	
PCB-1254	ND	5.00	U	"			.,	₩	
PCB-1260	26.4	5.00	n	10000	•	*	11/14/08	н	E-01
Surrogate: Decachlorobiphenyl		%	30-	129	n	,,	11/12/08	"	SR01
Surrogate: Tetrachioro-meta-xylene		%	10-	118	p	tt	"	•	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: Project Manager: Clyde Woodward 11/20/08 10:54

RP-3-SOIL 0811026-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Mo	ethod 8082								DL-2
PCB-1016	ND	0.497	mg/kg	100	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	4.97	Ħ	"	,		**	v	
PCB-1232	ND	4.97	u	"			•	7	
PCB-1242	ND	4.97	D	**	#	•	•	я	
PCB-1248	ND	4.97	1+	**	•	*	и	ч	
PCB-1254	ND	4.97	pr.	17		4	"	u	
PCB-1260	5.99	0.994	и	2000	11	ч	11/14/08	**	E-01
Surrogate: Decachlorobiphenyl		%	30-	129	υ		11/12/08	n n	SR01
Surrogate: Tetrachloro-meta-xylene		%	10-1	118	"	"	n	,,	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Reported:

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

11/20/08 10:54

RP-4-SOIL 0811026-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 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	"	,,	a	*		4	
PCB-1232	ND	4.99	P	**	"		,	n	
PCB-1242	ND	4.99	স	ij.	**		R	п	
PCB-1248	ND	4.99	11	*		•	ч	17	
PCB-1254	ND	4.99	н	*	,	1+	"	n	
PCB-1260	2.56	0.499	tı	1000		n	11/14/08	н	E-01
Surrogate: Decachlorohiphenyl		%	30-	129	<i>n</i>	,,	11/12/08	n	SR01
Surrogate: Tetrachloro-meta-xylene		%	10-1	118	o	"	'n	"	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: Project Manager: Clyde Woodward 11/20/08 10:54

ROLL OFF 20010-SOIL

0811026-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								
PCB-1016	ND	0.005	mg/kg	1	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.050	п	•			"	v	
PCB-1232	ND	0.050	11	н	b	u	**	D	
PCB-1242	ND	0.050	+1	Ф	P		**		
PCB-1248	ND	0.050	11		•		**	*	
PCB-1254	ND	0.050	U	11	•	*		п	
PCB-1260	0.426	0.050	U	100	*	×	P	п	E-01
Surrogate: Decachlorobiphenyl		41.1%	30-	129	0	,,	,	77	
Surrogate: Tetrachloro-meta-xylene		34.9 %	10-	118	n	p	"	,,	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none] Project Manager: Clyde Woodward

Reported: 11/20/08 10:54

Hattiesburg MS, 39404-5369

ROLL OFF 20028-SOIL 0811026-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	ethod 8082								DL-2
PCB-1016	ND	0.498	mg/kg	100	8K11002	11/11/08	11/11/08	EPA 8082	
PCB-1221	ND	4.98	11	*	14	.,			
PCB-1232	ND	4.98	**	4			49	n	
PCB-1242	ND	4.98	*1	a			**	n	
PCB-1248	ND	4.98	U	"	-	"	ti ti	н	
PCB-1254	ND	4.98	"	"	•	*		π.	
PCB-1260	2,06	0.498	It	1000	4	•	11/12/08	•	E-01
Surrogate: Decachlorobiphenyl		%	30-	129		,,	11/11/08	. ,	SR01
Surrogate: Tetrachloro-meta-xylene		%	10-	118	"	"	"	•	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: 11/20/08 10:54 Project Manager: Clyde Woodward

ROLL OFF 20038-SOIL 0811026-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA M	fethod 8082								DL-2
PCB-1016	ND	0.100	mg/kg	20	8K11002	11/11/08	11/14/08	EPA 8082	
PCB-1221	ND	0.998	"		ď	•	P	и	
PCB-1232	ND	0.998	n	17	a	*	h	п	
PCB-1242	ND	0.998	II	t+		d		"	
PCB-1248	ND	0.998	"		**	*	-	**	
PCB-1254	ND	0.998	*	n	**	,,	4	*	
PCB-1260	0.056	0.010	ц	-	10	**	ч	и	E-01
Surrogate: Decachlorobiphenyl		%	30-12	9	*		"		SR01
Surrogate: Tetrachloro-meta-xylene		%	10-11	8	"	π	H	n	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Reported:

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

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 M	ethod 8082								DL-2
PCB-1016	ND	0.025	mg/kg	5	8K11002	11/11/08	11/12/08	EPA 8082	
PCB-1221	ND	0.250	II .	+	11	**			
PCB-1232	ND	0.250	"	*	"				
PCB-1242	ND	0.250	11	u	n	u	11	p	
PCB-1248	ND	0.250	u		*	p	Ħ	*	
PCB-1254	ND	0.250	U		*	,	*	h	
PCB-1260	0.019	0.002	D	7)	п	•	ır	•	
Surrogate: Decachlorobiphenyl		57.5 %	30-12	9	P 1	n	"	, ,,	SR14
Surrogate: Tetrachloro-meta-xylene		53.5 %	10-11	8	p	,,	4	"	SR14



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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 Mo	ethod 8082								DL-2
PCB-1016	ND	57.5	ug/L	100	8K07003	11/07/08	11/14/08	EPA 8082	
PCB-1221	ND	57.5	"	•		17	ч	u	
PCB-1232	ND	57.5	и	#		11	п	и	
PCB-1242	ND	57.5	+1	•		и	11	U	
PCB-1248	ND	57.5	0		•	þ	**		
PCB-1254	ND	57.5	II.	*1	*		,,	#	
PCB-1260	39.1	28.7	It	500	a	•		q	
Surrogate: Tetrachloro-meta-xylene		%	10-	118	r	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	н	"	SR01
Surrogate: Decachlorobiphenyl		%	10-	129	*	"	н	n	SR01



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Project Manager: Clyde Woodward

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 M	ethod 8082								
PCB-1016	ND	0,529	ug/L	1	8K07003	11/07/08	11/12/08	EPA 8082	
PCB-1221	ND	0.529	π		"	"	*	н	
PCB-1232	ND	0.529	π	н	н	**	а	**	
PCB-1242	ND	0.529	W	*	**	**	u	11	
PCB-1248	ND	0,529	ıı	*		**	"		
PCB-1254	ND	0.529	н	*			n	n	
PCB-1260	ND	0.053	#1			,	"	p.	
Surrogate: Tetrachloro-meta-xylene		36.2 %	10-118	8	"	,	#	n	
Surrogate: Decachlorobiphenyl		47.0 %	10-129)	"	и	nt .	•	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

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 M	ethod 8082								
PCB-1016	ND	0.508	ug/L	ı	8K07003	11/07/08	11/12/08	EPA 8082	
PCB-1221	ND	0.508	n	•		*	*	п	
PCB-1232	ND	0.508	I7	**	•	*	(*	•	
PCB-1242	ND	0.508	p	19	4	я	ļt	41	
PCB-1248	ND	0.508	,		n	11	v	ıı	
PCB-1254	ND	0.508	"	P	11			"	
PCB-1260	ND	0.051	•	D	n			11	
Surrogate: Tetrachloro-meta-xylene		18.2 %	10-11	8	"	"	n	"	
Surrogate: Decachlorobiphenyl		35.9 %	10-12	9	"	n	e	*	



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Hattiesburg MS, 39404-5369 Project Manager: Clyde Woodward

Reported: 11/20/08 10:54

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Project Number: [none]

Analyte	Result	Reporting Limit	Units	Spike Level	Source	%PEC	%REC	DDL)	RPD	Note:
	Result	riuni.	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 8K07003 - EPA 3510C						<u></u>				
Blank (8K07003-BLK1)				Prepared: 1	1/07/08 A	nalyzed: 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	u-							
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: 1	1/07/08 Ar	alyzed: 11	/18/08			
PCB-1016	0.038	0.500	ug/L	0.0500		76.0	47-124			
PCB-1260	0.032	0.050	11	0.0500		64.0	50-150			
Surrogate: Tetrachloro-meta-xylene	0.151		,,	0.200		75.7	10-118			
Surrogate: Decachlarobiphenyl	0.174		"	0.200		87.0	10-129			
LCS Dup (8K07003-BSD1)				Prepared: 1	1/07/08 Ar	alyzed: 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	***************************************	n	0.200		78.2	10-118			
Surrogate: Decachlorobiphenyl	0.176		"	0.200		88. 0	10-129			
Batch 8K11002 - EPA 3550B										
Blank (8K11002-BLK1)				Prepared: 1	1/11/08 An	alvzed: 11	/14/08			
PCB-1016	ND	0.005	mg/kg							
PCB-1221	ND	0,050	*							
PCB-1232	ND	0,050	π							
PCB-1242	ND	0.050	#							
PCB-1248	ND	0.050	q							
PCB-1254	ND	0.050								
PCB-1260	ND	0.0005	**							
Surrogate: Decachlorobiphenyl	0.00386		n	0.00667		57.9	30-129			
Surrogate: Tetrachlaro-meta-xylene	0.00355		"	0.00667		53.3	10-118			



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none] Hattiesburg MS, 39404-5369 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 Limits	RPD	RPD Limit	Notes
Batch 8K11002 - EPA 3550B									*****	
LCS (8K11002-BS1)				Prepared: 1	1/11/08 A	nalyzed: 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		r	0.00667		55.5	10-118			
LCS Dup (8K11002-BSD1)				Prepared: 1	1/11/08 A	nalyzed: 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		n	0.00667		51.0	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00322		ti	0.00667		48.3	10-118			
Matrix Spike (8K11002-MS1)	Sou	ırce: 0811026-0)1	Prepared: 1	1/11/08 Ai	nalyzed: 11.	/12/08			
PCB-1016	0.003		mg/kg	0.00166	ND	158	25-150	* ****		
PCB-1260	0.056		,,	0.00166	0.138	NR	25-150			M2, M
Surrogate: Decachlorobiphenyl	0.00349			0.00665		52.6	30-129			
Surrogate: Tetrachloro-meta-xylene	0.00349		n	0.00665		52.5	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



Environmental Management Services

Project: KUHO-08-011 Pit Excavation

PO Box 15369

Project Number: [none]

Hattiesburg MS, 39404-5369

Reported: Project Manager: Clyde Woodward 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.
М5	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

nalysis Request Form Field Jurparature. Put N/A in blanks not send visite Temperature. Sampe Receipt Temperature.	TURNAROUND TIME	POF: Date Reads needed by:		-	-	34 Hrs Approv	HT EXCUSTION Date of Sample Shipment:	-4	78	< m		23	2						7	Consolina War 100 Control Cont	(Brownia) Ilaha Ilai
Chain of Custody / Analysis Request Form Print ALL Information. Put N/A in blanks not applicable	SEND INVOICE TO:	:: KUHLANAA	Name: ALAY THOMAS	Address 101 KUHLMAN DRIVE	City Caystal Spains	State 16/2 TEL 40/-897-2-16-7 EVV.	Project Name: KMO-08-01/ Pr Exclusion		•	ple ID DATE TIME	016 80/4/			70-16 8 1400 11 15 15 15 15 15 15 15 15 15 15 15 15 1	hall karny	Marina 1950	200 801.00	1261 80/mg,	SPAN SOLAN	2000 2000	Fa
Micro-Methods Lab, Inc. 6306 Sunplex Drive, Ocean Springs, MS 39564 Pr: 228-875-6420 * Fax: 228-875-6423	ULTS TO:	EMS	CLYDE WOODLIAKED		TOOPSE	TO THE OF XV	1/4	Failure to complete shaded areas will hinder processing of samples.	201180 0m	Station Location / Sample ID	TP-8E -50/L	TP-8W - 5011	- <u>N</u>	11-43 - SOIL	10-14 - 5011	3	١	80-3 - SOIL	RP-4 - 50 L	Carena In	than CITY 11/5/08/14/0
Micro-Methods Lab, Inc. 6300 Supplex Drive, Ocean Sp Ph: 228-875-6420 • Fax: 228-8	-	Ŀ.	Name Carol	2	CHY METHERSBURG	TEL: GOLGE	Sampled by: (Signature) ((Print) Levi	albure to complete.	For Lab Use Only	Sample Number	Ι.	2.	**	i w		7.	8.	**		Present Name (Mark)	

Micro-Methods Lab, Inc. 6580 Sumplex Drive, Ocean Springs, MS 39564 Print. REPORT RESULTS TO: Company: E.M. S. Compan
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PHOTO 1 SAW-CUTTING CONCRETE AND RECOVERING RUN-OFF WATER.



PHOTO 2 CONSOLIDATING RUN-OFF WATER.

TANKING PIT EXCAVATION - CRANE BAY KUHLMAN ELECTRIC COMPANY 101 KUHLMAN ORIVE CRYSTAL SPRINGS, MISSISSIPPI DATE: 11/24/08 APPROVEO: DRAWN BY: BY: DATE: DATE: PROJECT NO. KUHO-08-01 ENVIRONMENTAL MANAGEMENT SERVICES INC

SITE PHOTOGRAPHS



PHOTO 3 EXCAVATION.



PHOTO 4 SAMPLE PREPARATION AREA

SITE PHOTOGRAPHS

SITE PHUTUGINATION TANKING PIT EXCAVATION — CRANE BAY KUHLMAN ELECTRIC COMPANY 101 KUHLMAN DRIVE CRYSTAL SPRINGS, MISSISSIPPI CRYSTAL SPRINGS, MISSISSIPPI DRAWN BY: PDM

DATE: 11/24/08 PROJECT NO. KUHO-08-01 N.T.S. ENVIRONMENTAL (5)