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

September 17, 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 impacted soil and concrete to a) repair a floor in the Winding Department, b) construct a pit to recess supporting rails for transporting loads to the Vapor Phase manufacturing process, and c) to recess a drip pan in the concrete floor of the Assembly Department in the Kuhlman Electric facility in Crystal Springs, MS. Figure 1 illustrates the approximate locations inside the Crystal Springs facility. Figures 2-4 illustrate the area following construction.

KEC completed the three projects in July of 2009. The Winding Department floor repair is the subject of the March 23, 2009 letter to MDEQ, the Vapor Phase Rail Pit is Phase II of the letter of September 23, 2008 and the Assembly Department Drip Pan is the subject of the letter of July 1, 2009.

Walker Hill Environmental was contracted to excavate the soil and concrete for all three areas. Walker Hill was selected because they have completed several environmental projects competently at the KEC site in past years.

Soil and concrete was removed to covered roll-offs. Composite samples of each of the roll-offs were taken. Analysis (found in Micro Methods report in Appendix I) for PCB concentration was completed on the composites. Analysis showed that Arochlor 1260 was present in the soil at concentrations less than 10 mg/kg.

Work to remove the soil was conducted during a plant shutdown when the plant 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 5 thru 11 inclusive.

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

Sincerely,

Alan Thomas
Maintenance Manager

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

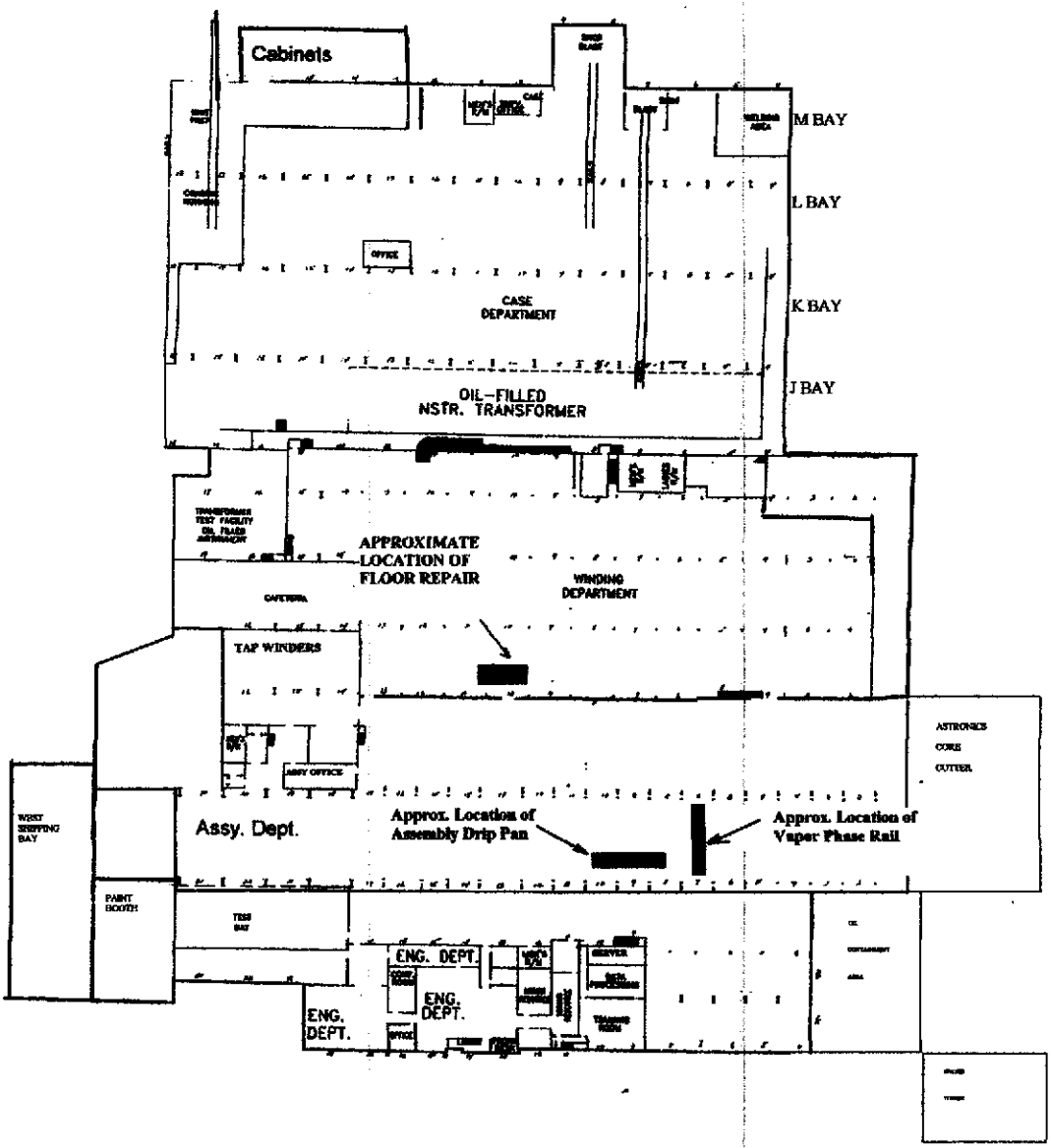

Cabinets
M BAY
L BAY
K BAY
J BAY
CASE DEPARTMENT
OIL-FILLED NSTR. TRANSFORMER
APPROXIMATE LOCATION OF FLOOR REPAIR
WINDING DEPARTMENT
CAFETERIA
TAP WINDERS
ASSY OFFICE
Assy. Dept.
Approx. Location of Assembly Drip Pan
Approx. Location of Vapor Phase Rail
ASTRONICS CORE CUTTER
WEST SHIPPING BAY
PAINT BOOTH
TEST BAY
ENG. DEPT.
ENG. DEPT.
ENG. DEPT.

Figure 1

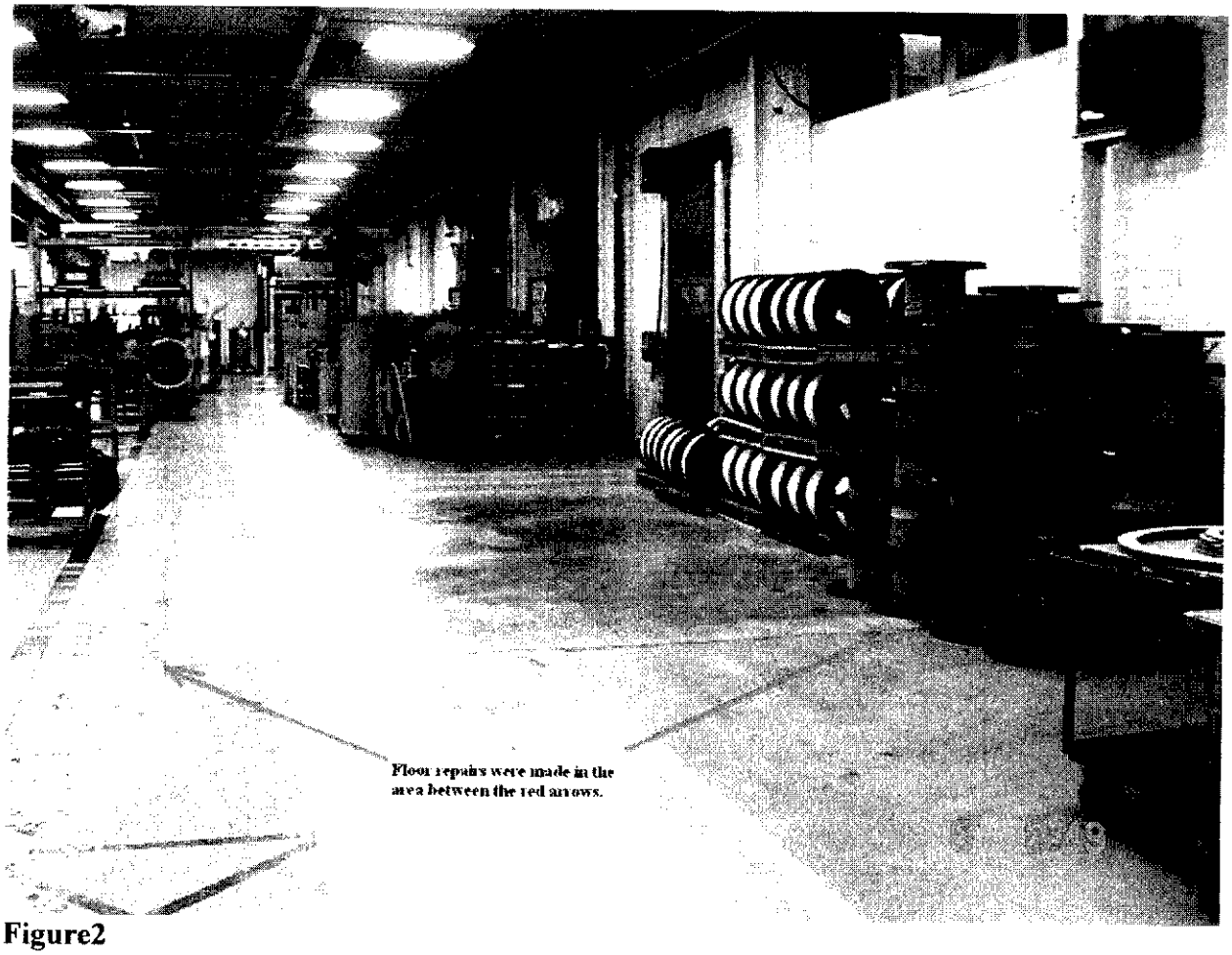


Figure2

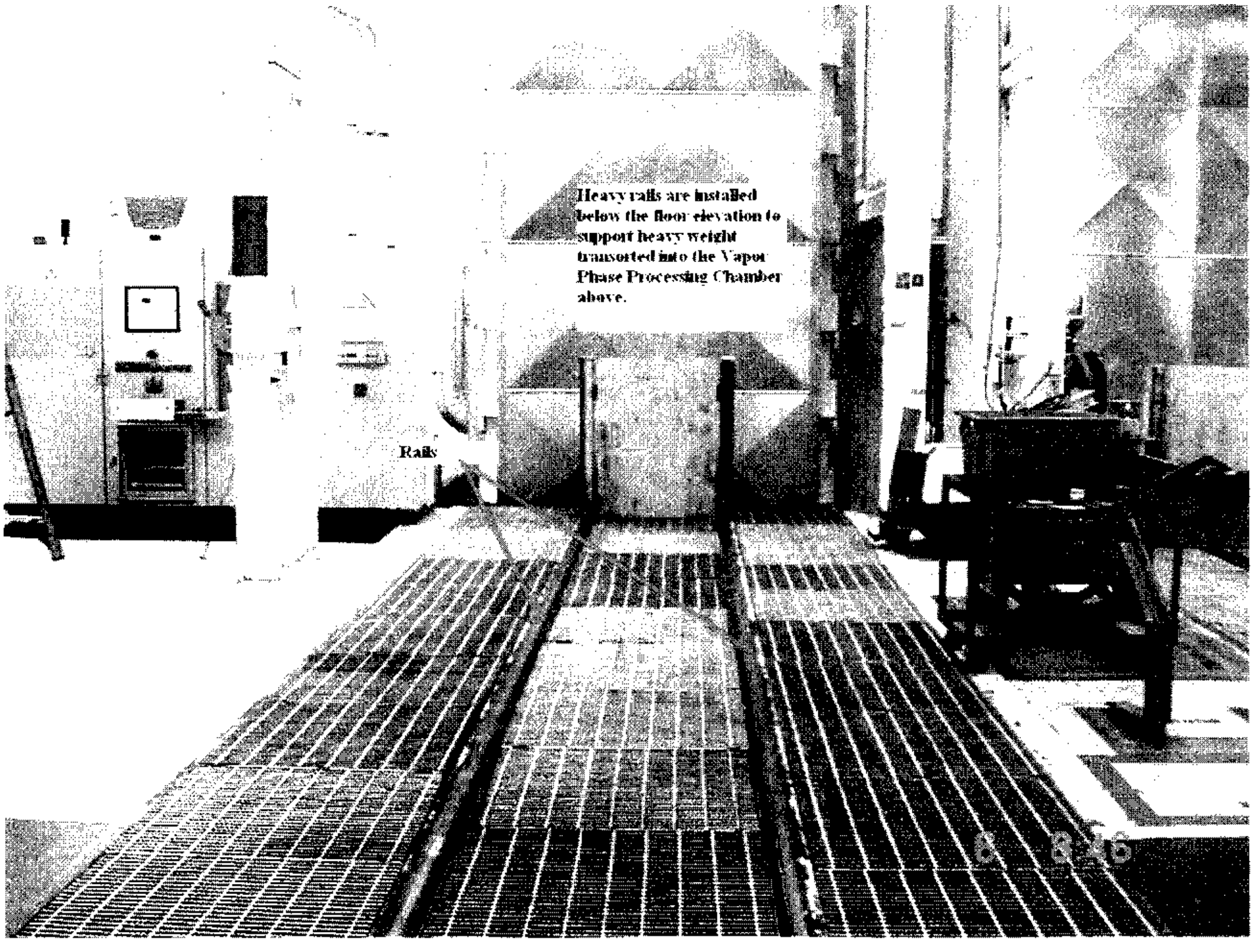

Heavy rails are installed below the floor elevation to support heavy weight transorted into the Vapor Phase Processing Chamber above.
Rails

Figure 3

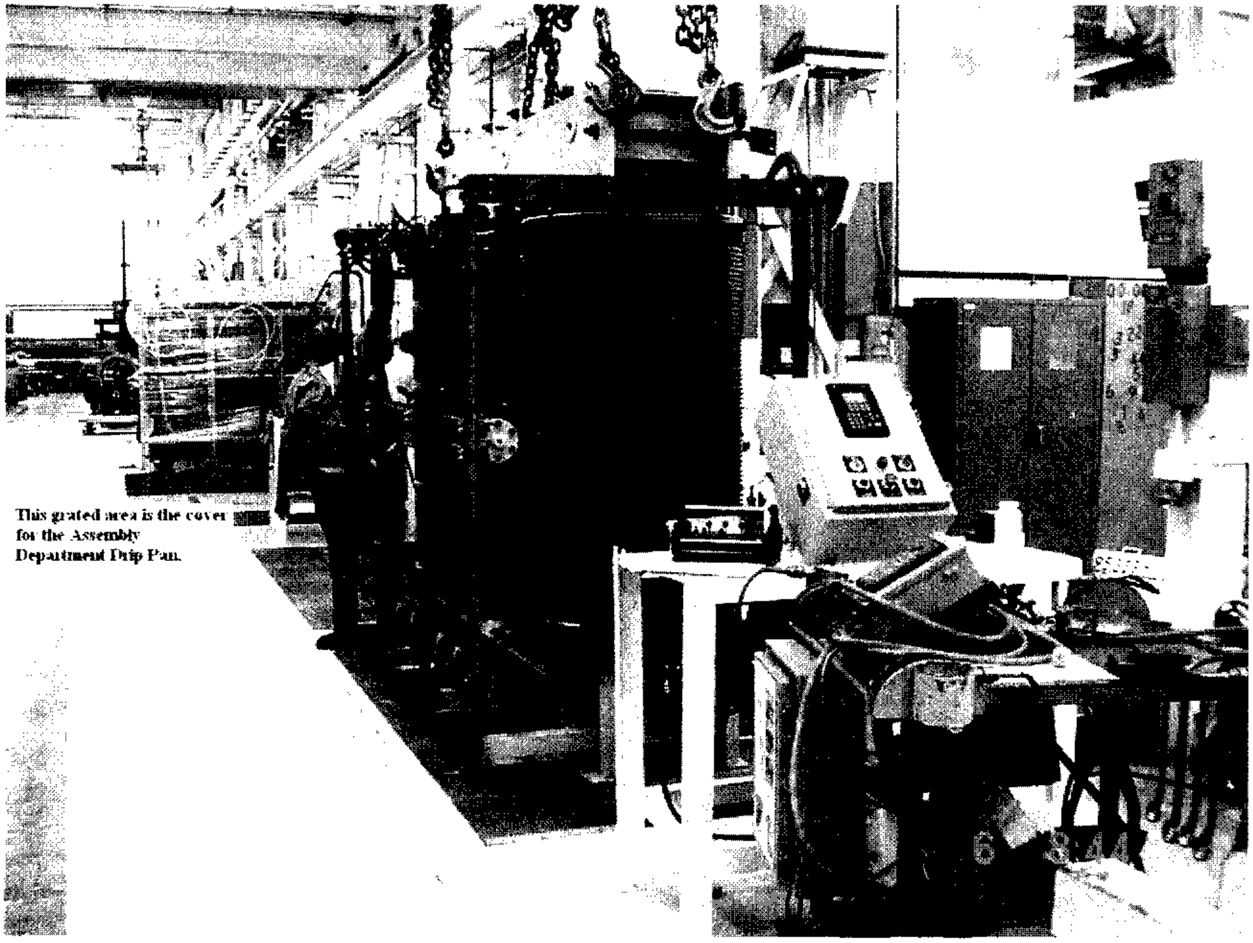
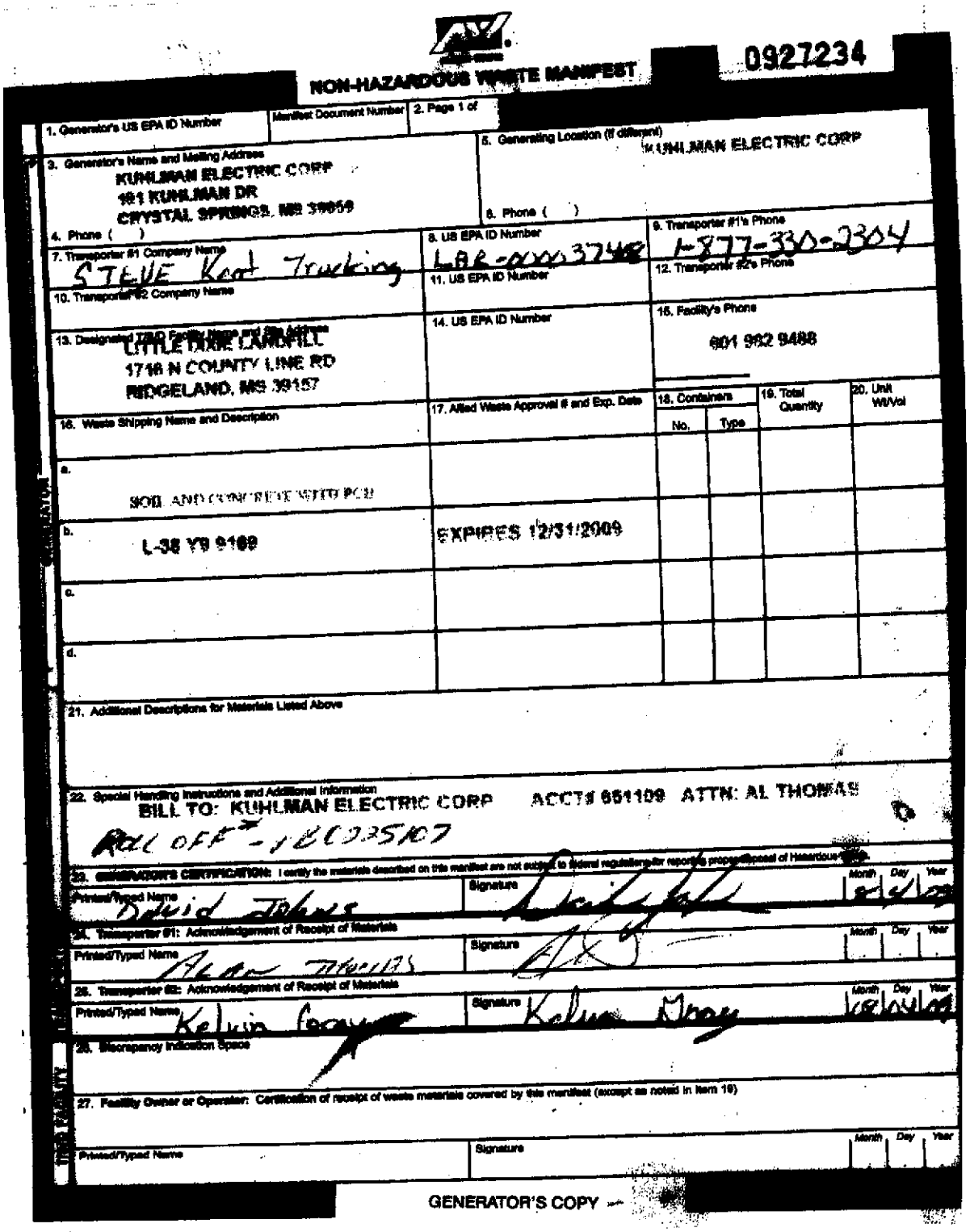

This grated area is the cover for the Assembly Department Drip Pan.

Figure 4



NON-HAZARDOUS WASTE MANIFEST 0927234

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS 39059

4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP

6. Phone ( )

7. Transporter #1 Company Name
STEVE Kent Trucking

8. US EPA ID Number
LAR-000 3748

9. Transporter #1's Phone
1-877-330-2304

10. Transporter #2 Company Name

11. US EPA ID Number

12. Transporter #2's Phone

13. Designated TSD Facility Name and Site Address
LITTLE DARE LANDFILL
1716 N COUNTY LINE RD
RIDGELAND, MS 39157

14. US EPA ID Number

15. Facility's Phone
601 992 9488

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. SOIL AND CONCRETE WITH PCB					
b. L-38 Y9 9109	EXPIRES 12/31/2009				
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 651109 ATTN: AL THOMAS
ROLL OFF - 1803257

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous [illegible]

Printed/Typed Name: David Johns | Signature | Month 8 | Day 4 | Year 08

24. Transporter #1: Acknowledgement of Receipt of Materials

Printed/Typed Name: Alan Thomas | Signature | Month | Day | Year

25. Transporter #2: Acknowledgement of Receipt of Materials

Printed/Typed Name: Kelvin Peay | Signature: Kelvin Peay | Month 8 | Day 4 | Year 08

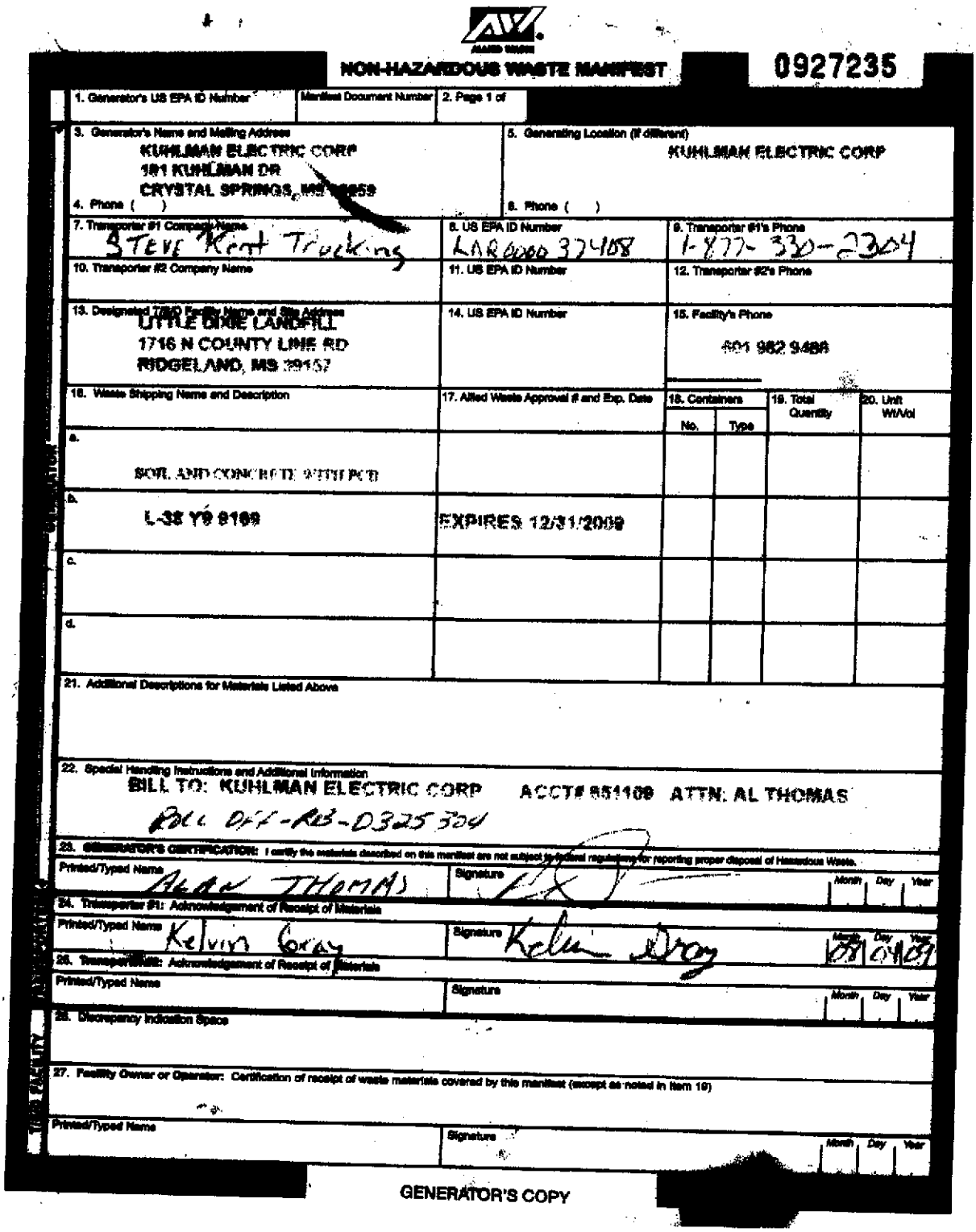
26. Discrepancy Indication Space

27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR'S COPY

Figure 5



NON-HAZARDOUS WASTE MANIFEST 0927235

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS [illegible]
4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP
6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
STEVE Kent Trucking	LAR000 324158	1-877-330-2304
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated TSD Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
LITTLE DIXIE LANDFILL 1716 N COUNTY LINE RD RIDGELAND, MS 39157		601 982 9486

	16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.	SOIL AND CONCRETE WITH PCB					
b.	L-38 Y9 9199	EXPIRES 12/31/2009				
c.						
d.						

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 551109 ATTN: AL THOMAS
Bill OFF-RB-0325304

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
ALAN THOMAS				

24. Transporter #1: Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kelvin Gray	Kelvin Gray	03	04	09

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 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

Figure 6

NON-HAZARDOUS WASTE MANIFEST

0927236

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS 39059

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP

4. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated TSD Facility Name and Site Address LITTLE DIXIE LANDFILL 1716 N COUNTY LINE RD RIDGELAND, MS 39157	14. US EPA ID Number	15. Facility's Phone 601 982 9460

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	Type	19. Total Quantity	20. Unit Wt/Vol
a. SOIL AND CONCRETE WITH PCB					
b. L-38 Y9 9189	EXPIRES 12/31/2009				
c.					
d.					

21. Additional Descriptions for Materials Listed Above

RT

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 851109 ATTN: AL THOMAS

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Alan Thomas				

24. Transporter #1: Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. Transporter #2: Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

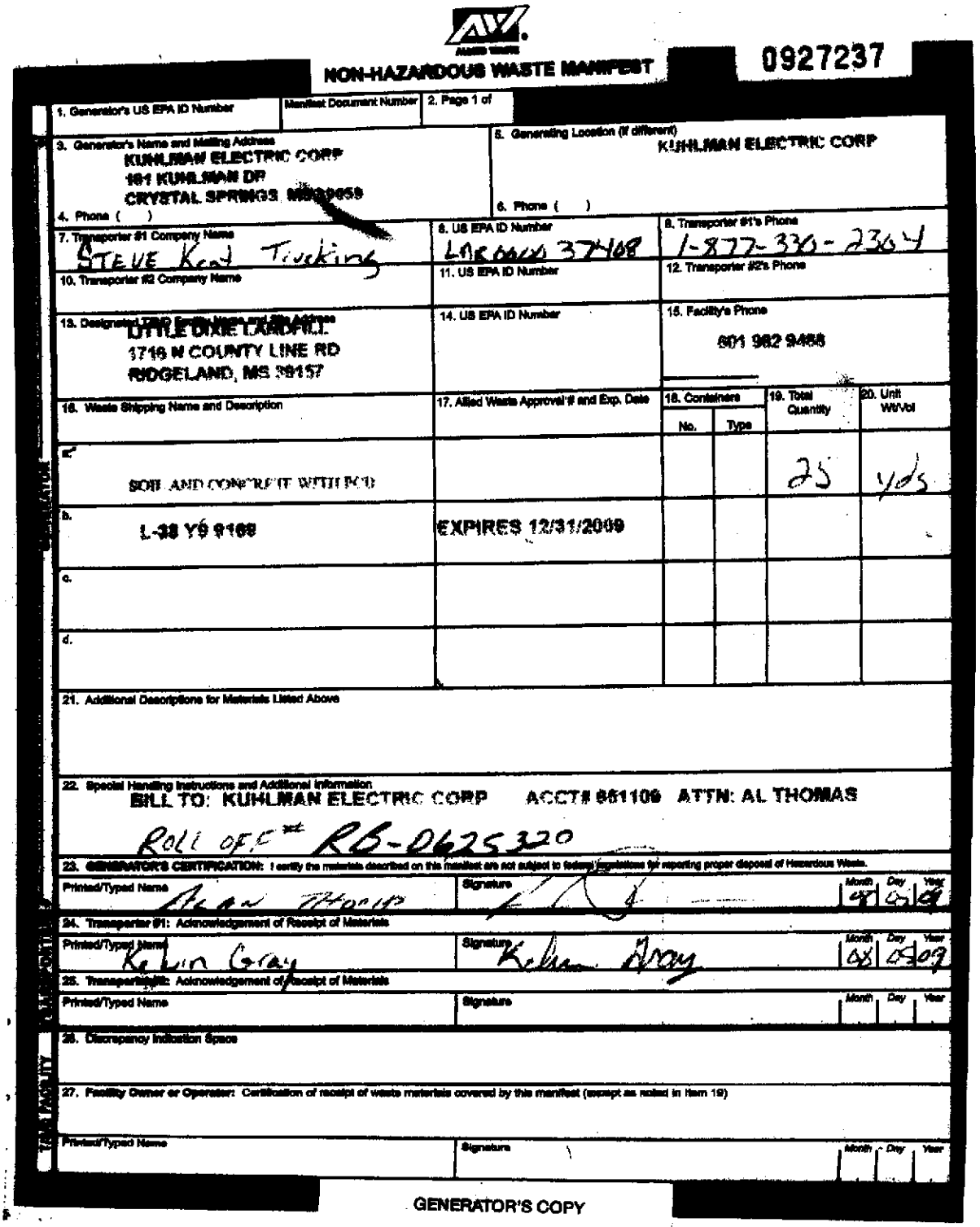
26. Discrepancy Indication Space

27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

Figure 7



NON-HAZARDOUS WASTE MANIFEST 0927237

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS MS 39059
4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP
6. Phone ( )

7. Transporter #1 Company Name
STEVE Kent Trucking
8. US EPA ID Number
LAR000137408
9. Transporter #1's Phone
1-877-330-2364

10. Transporter #2 Company Name
11. US EPA ID Number
12. Transporter #2's Phone

13. Designated [illegible]
LITTLE DIXIE LANDFILL
1716 N COUNTY LINE RD
RIDGELAND, MS 39157
14. US EPA ID Number
15. Facility's Phone
601 982 9458

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. SOIL AND CONCRETE WITH PCB				25	Yds
b. L-38 Y6 9168	EXPIRES 12/31/2009				
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 661109 ATTN: AL THOMAS
Roll off # RB-0625320

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name [illegible] Signature Month 04 Day 01 Year 09

24. Transporter #1: Acknowledgement of Receipt of Materials
Printed/Typed Name Kelvin Gray Signature Kelvin Gray Month 04 Day 01 Year 09

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 19)
Printed/Typed Name Signature Month Day Year

GENERATOR'S COPY

Figure 8

NON-HAZARDOUS WASTE MANIFEST 0927238

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS 39059

4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP

6. Phone ( )

7. Transporter #1 Company Name: Steve Kent Trucking
8. US EPA ID Number: [illegible] 37406
9. Transporter #1's Phone: 1-877-330-2264

10. Transporter #2 Company Name
11. US EPA ID Number
12. Transporter #2's Phone

13. Designated TSD Facility Name and Site Address
LITTLE DIXIE LANDFILL
1716 N COUNTY LINE RD
RIDGELAND, MS 39157

14. US EPA ID Number

15. Facility's Phone: 601 962 9468

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	Type	19. Total Quantity	20. Unit Wt/Vol
a. SOIL AND CONCRETE WITH PCB				25	[illegible]
b. L-38 Y9 9169	EXPIRES 12/31/2009				
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 851109 ATTN: AL THOMAS
BILL OFF# RT 2516

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Alan Thomas | Signature: [signature] | Month Day Year: [illegible]

24. Transporter #1: Acknowledgement of Receipt of Materials
Printed/Typed Name: Kelvin Gray | Signature: Kelvin Gray | Month Day Year: 8 [illegible] 05

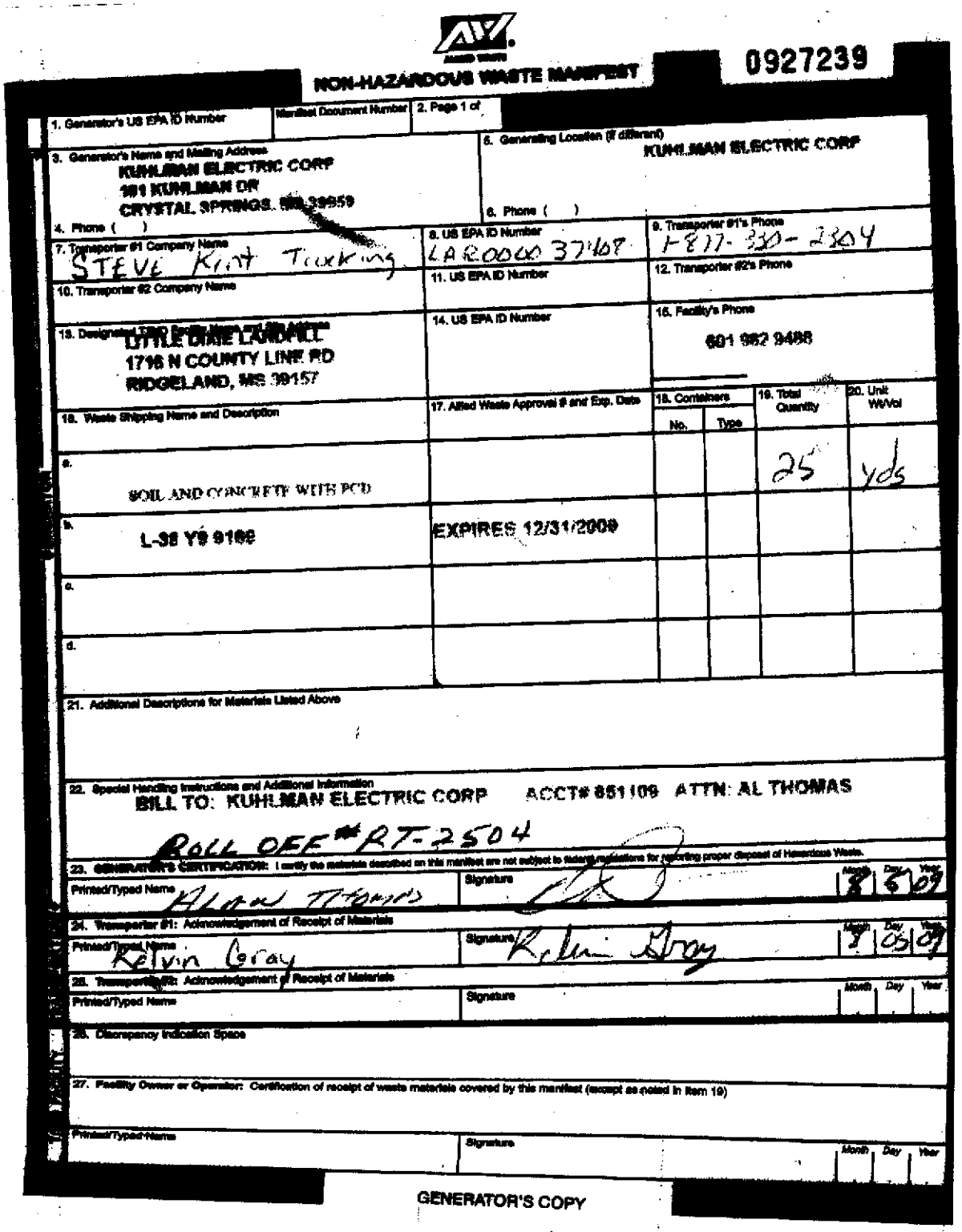
25. Transporter #2: Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

26. Discrepancy Indication Space

27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)
Printed/Typed Name | Signature | Month Day Year

GENERATOR'S COPY

Figure 9



NON-HAZARDOUS WASTE MANIFEST 0927239

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS 39059

4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP

6. Phone ( )

7. Transporter #1 Company Name
STEVE KNIT Trucking

8. US EPA ID Number
LAR000037168

9. Transporter #1's Phone
1-877-330-2304

10. Transporter #2 Company Name

11. US EPA ID Number

12. Transporter #2's Phone

13. Designated Facility Name and Site Address
LITTLE DIXIE LANDFILL
1716 N COUNTY LINE RD
RIDGELAND, MS 39157

14. US EPA ID Number

15. Facility's Phone
601 992 9488

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. SOIL AND CONCRETE WITH PCB				25	yds
b. L-38 Y9 9102	EXPIRES 12/31/2009				
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 851109 ATTN: AL THOMAS
ROLL OFF # RT-2504

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Alan Thomas | Signature | Month 8 Day 5 Year 09

24. Transporter #1: Acknowledgement of Receipt of Materials
Printed/Typed Name: Kelvin Gray | Signature | Month 8 Day 05 Year 09

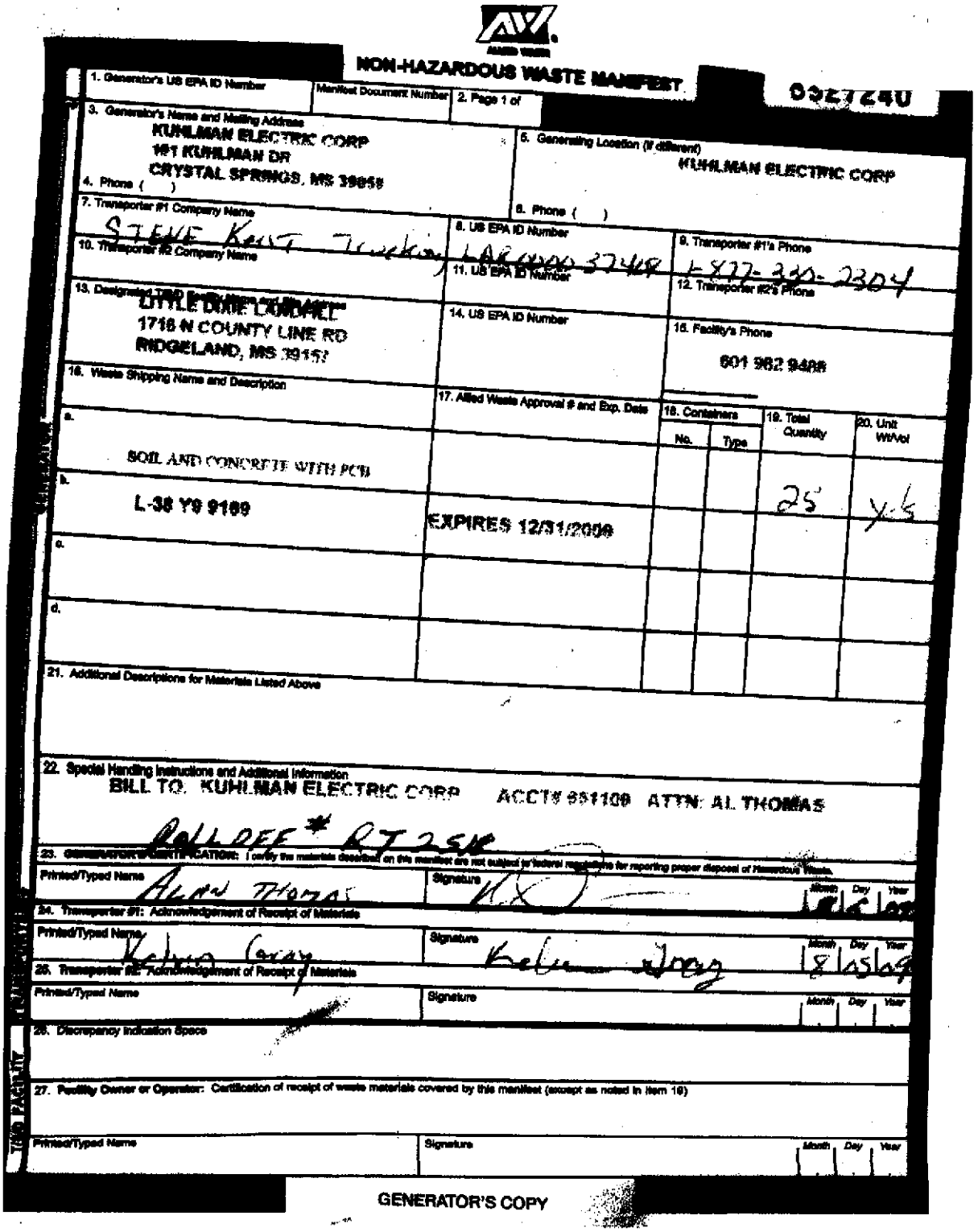
25. Transporter #2: Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

26. Discrepancy Indication Space

27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)
Printed/Typed Name | Signature | Month | Day | Year

GENERATOR'S COPY

Figure 10



NON-HAZARDOUS WASTE MANIFEST

0227240

1. Generator's US EPA ID Number | Manifest Document Number | 2. Page 1 of

3. Generator's Name and Mailing Address
KUHLMAN ELECTRIC CORP
101 KUHLMAN DR
CRYSTAL SPRINGS, MS 39059
4. Phone ( )

5. Generating Location (if different)
KUHLMAN ELECTRIC CORP
6. Phone ( )

7. Transporter #1 Company Name
STEVE KENT TRUCKING

8. US EPA ID Number
LAR000 37448

9. Transporter #1's Phone
1-877-330-2304

10. Transporter #2 Company Name

11. US EPA ID Number

12. Transporter #2's Phone

13. Designated TSD Facility Name and Site Address
LITTLE DIXIE LANDFILL
1718 N COUNTY LINE RD
RIDGELAND, MS 39157

14. US EPA ID Number

15. Facility's Phone
601 982 9488

16. Waste Shipping Name and Description

17. Allied Waste Approval # and Exp. Date

18. Containers: No. / Type

19. Total Quantity

20. Unit Wt/Vol

a. SOIL AND CONCRETE WITH PCB

b. L-38 Y9 9189 — EXPIRES 12/31/2009 — 25 — Y

c.

d.

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
BILL TO: KUHLMAN ELECTRIC CORP ACCT# 551109 ATTN: AL THOMAS
ROLLOFF * RT 258

23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Alan Thomas — Signature — Month / Day / Year

24. Transporter #1: Acknowledgement of Receipt of Materials
Printed/Typed Name: Kelvin Covay — Signature — Month 8 / Day 18 / Year 09

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 19)
Printed/Typed Name — Signature — Month / Day / Year

GENERATOR'S COPY

Figure 11

APPENDIX I

ENVIRONMENTAL
MANAGEMENT SERVICES, INC.

August 27, 2009

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

Re: Concrete Cutting Soil, Water, and Air Sampling
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Dear Mr. Thomas:

Environmental Management Services, Inc. (EMS) has prepared this report for a round of soil, water, and air sampling associated with three floor cutting events at the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, Mississippi. Cut #1 was located in the southern portion of the Winding Department, Cut #2 was located in front of the Core Department Supervisor's Office, and Cut #3 was located in front of the Vapor Phase Unit in the Core Department. The locations of the three cuts are shown on Figure 1.

Six soil samples and one water sample were collected on July 6, 2009 and July 20, 2009 by EMS. The samples were analyzed by Micro-Methods Laboratory, Inc. for Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) Method 8082. Additionally, three air samples were collected during the excavation of the concrete slab and analyzed by EMSL Analytical by EPA Compendium TO-15. The air samples were collected using specially-prepared summa canisters. The sample locations are shown on Figure 2.

Seven of the soil samples were collected from the containers storing the soil, one soil sample was collected from the cutting solids, and the water sample was collected from water used as a cooling agent/lubricant during the cutting process. All of the soil samples and the cutting solid sample contained detectable levels of PCB-1260. Three of the soil samples (05 Cutting Solids, 11 RB-022510, and 12 RB-0324304) exceeded the Mississippi Department of Environmental Quality's (MDEQ) Tier 1 Target Remedial Goals (TRGs) for unrestricted soils of 1.0 milligrams per kilogram (mg/kg). The water sample obtained from the cutting water did not exhibit any

P.O. BOX 15369 (39404) • 7350 U.S. HIGHWAY 98 • HATTIESBURG, MS 39402
PHONE (601) 544-3674 • FAX (601) 544-0504 • www.env-mgt.com

concentrations of PCBs above their respective reporting limit. The analytical results are included in Table 1, and a copy of the laboratory analytical report is included as Attachment 1.

The laboratory analytical results indicated all air samples contained VOC concentration above their respective reporting limit. The samples did not exceed the Occupational Safety and Health Administration's (OSHA) or the National Institute for Occupational Safety and Health's (NIOSH) standards for the compounds analyzed. The analytical results are included in Table 2, and a copy of the laboratory analytical report is included as Attachment 2.

In addition to the previously mentioned sampling and analysis, the air in the immediate work area was monitored using a photo ionization detector (PID), a flame ionization detector (FID), and a four gas meter. The FID and PID monitors did not detect any exceedingly high readings during the cutting and excavation. The four gas meter detected a high carbon monoxide (CO) reading of 37 parts per million (ppm) at Cut #1 following the concrete cutting. This elevated reading was determined to be due to the operation of diesel equipment in the vicinity. It was noted that the levels dropped to the 0-12 ppm range shortly after the elevated reading was taken. Another elevated CO reading of 33 ppm was detected with the four gas meter at Cut #3. The elevated reading was believed to be caused by equipment exhaust. The readings from these monitors are listed in the field notes that are included as Attachment 3.

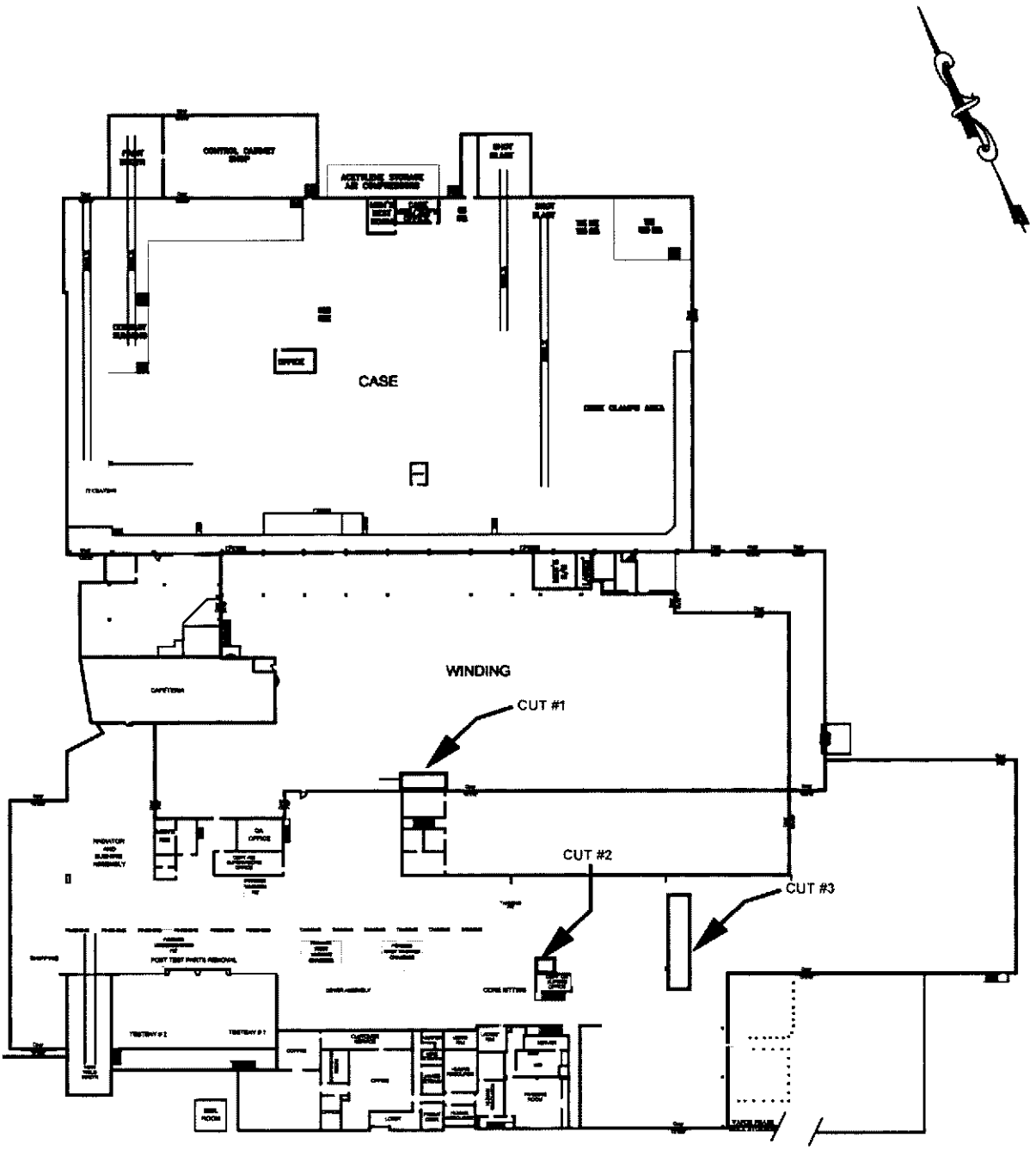
We appreciate the opportunity to provide these environmental services for you. If you have any questions regarding this report please contact me.

Sincerely,
Environmental Management Services, Inc.

Ethan Allen, P.G.
Project Geologist

Attachments

FIGURES



PRIVILEGED AND CONFIDENTIAL
ATTORNEY-CLIENT COMMUNICATION
ATTORNEY WORK PRODUCT

SCALE 1 INCH = 80 FEET

20 40 80

0 20 40 80 160

CONCRETE CUT LOCATIONS

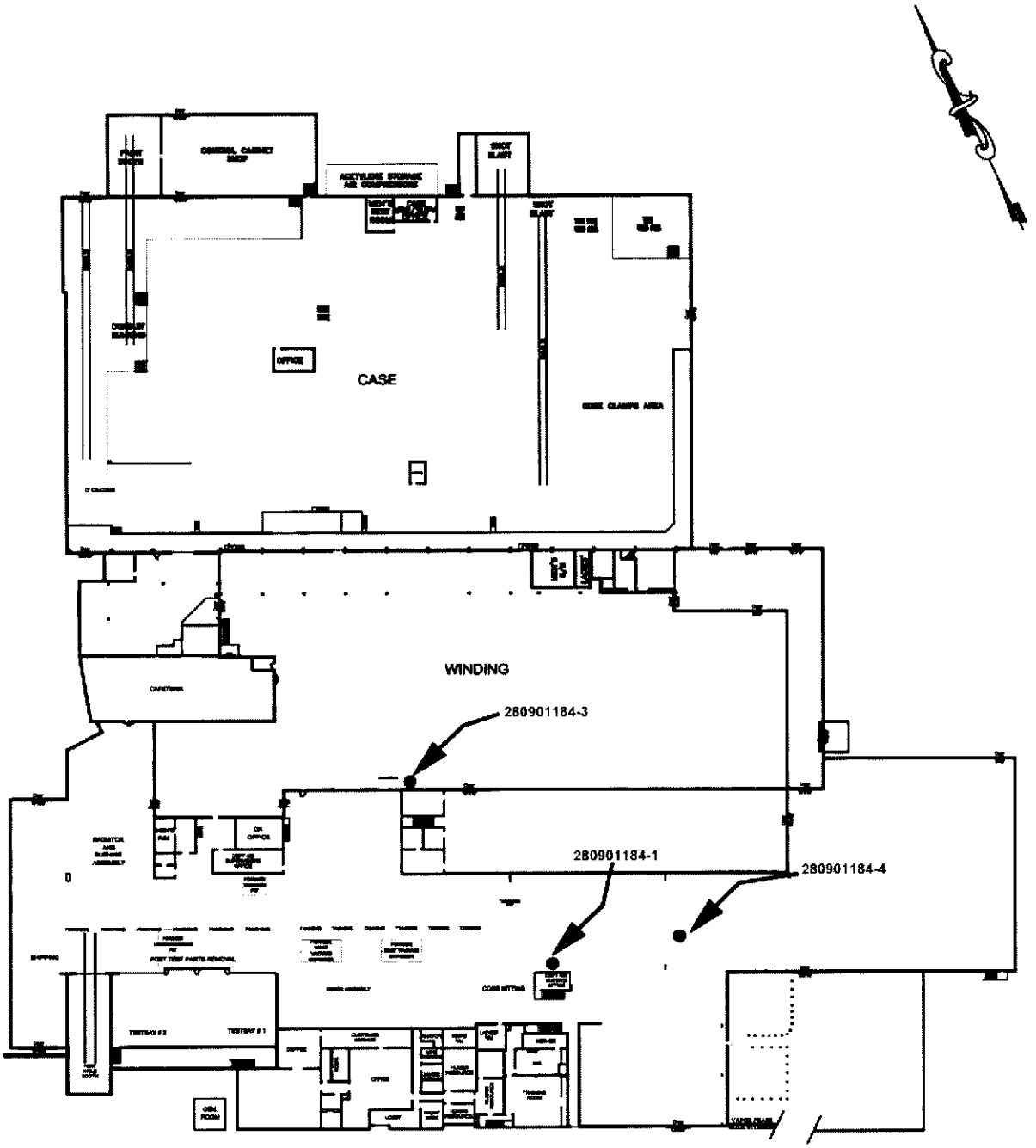
CONCRETE CUTTING
KUHLMAN ELECTRIC CORPORATION
101 KUHLMAN DRIVE
CRYSTAL SPRINGS, MISSISSIPPI

DATE: 8/12/09	APPROVED: BY: DATE:	DRAWN BY: E.E.A.
SCALE: 1" = 80'		CAD NO. KEC_SAMPLE LOCATION

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 1

NOTE: PROPERTY BOUNDARIES AND SCALE ARE APPROXIMATE.



PRIVILEGED AND CONFIDENTIAL
ATTORNEY-CLIENT COMMUNICATION
ATTORNEY WORK PRODUCT

SCALE 1 INCH = 80 FEET

20 40 80

0 20 40 80 160

AIR SAMPLE LOCATIONS

CONCRETE CUTTING
KUHLMAN ELECTRIC CORPORATION
101 KUHLMAN DRIVE
CRYSTAL SPRINGS, MISSISSIPPI

DATE: 8/12/09	APPROVED: BY: DATE:	DRAWN BY: E.E.A.
SCALE: 1" = 80'		CAD NO. KEC_SAMPLE LOCATION

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 2

NOTE: PROPERTY BOUNDARIES AND SCALE ARE APPROXIMATE.

TABLES

TABLE 1
Soil and Water Concrete Cutting Analytical Results
Kuhlman Electric Corporation
Crystal Springs, Mississippi

	Units	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
Groundwater Tier 1 TRG	*ug/l*	*0.957*	*0.0335*	*0.0335*	*0.0335*	*0.0335*	*0.0335*	*0.0335*
Soil Restricted Tier 1 TRG	*mg/kg*	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*	*10.0*
Soil Unrestricted Tier 1 TRG	*mg/kg*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*
05 Cutting Solids	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**4.26**
06 RT2516	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**0.048**
07 RT 2514	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**0.239**
08 RT 2504	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**0.114**
09 RT 2518	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**0.055**
10 RB-0625320	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**0.285**
11 RB-0225107	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**8.07**
12 RB-0324304	mg/kg	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	**6.37**
Kuhlman Electric Concrete Cutting Water	ug/l	<0.051	<0.505	<0.505	<0.505	<0.505	<0.505	<1.01

Notes:

Bold concentrations indicates a detection

Bold and shaded concentrations indicates a TRG exceedance

TABLE 2
Air Analytical Results
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Compound	CAS	OSHA	NIOSH STANDARD	ACGIH	280901184-1	280901184-3	280901184-4
		ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,2,4-Trimethylbenzene	95-63-6	NA	NA	NA	6	22	5.3
1,3,5-Trimethylbenzene	108-67-8	NA	125000	125000	ND	7.5	ND
1,3-Butadiene	106-99-0	2210	NA	4420	ND	4.4	2.1
1,4-Dichlorobenzene	106-46-7	450000	NA	60000	23	110	6.1
2-Butanone(MEK)	78-93-3	590000	590000	590000	8.7	39	10
4-Ethyltoluene	622-96-8	NA	NA	NA	5.7	19	4.3
4-Methyl-2-pentanone(MIBK)	108-10-1	410000	205000	205000	9.2	67	9.8
Acetone	67-64-1	1200000	590000	2400000	61	91	150
Benzene	71-43-2	3200	320	1600	2	17	3.5
Chloromethane	74-87-3	206500	NA	103250	1.5	1.5	1.5
Cyclohexane	110-82-7	1050000	1050000	1050000	ND	2.5	ND
Ethanol	64-17-5	1900000	1900000	1900000	40	130	30
Ethyl acetate	141-78-6	1400000	1400000	1400000	ND	2.9	ND
Ethylbenzene	100-41-4	435000	435000	435000	15	45	10
Freon 12(Dichlorodifluoromethane)	75-71-8	4950000	4950000	4950000	ND	3.2	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	980000	980000	980000	8.8	22	53
Methylene chloride	75-09-2	87000	NA	174000	ND	6.9	ND
n-Heptane	142-82-5	2000000	350000	1700000	2.6	3.4	ND
n-Hexane	110-54-3	1800000	180000	180000	ND	5.4	ND
Propylene	115-07-1	NA	NA	860000	ND	ND	14
Styrene	100-42-5	425000	215000	85200	ND	6.5	4
Tertiary butyl alcohol (TBA)	75-65-0	300000	300000	300000	ND	3.4	2.6
Tetrahydrofuran	109-99-9	590000	590000	590000	2	3.2	2.4
Toluene	108-88-3	750000	375000	188000	6.5	55	6.7
Trichloroethene	79-01-6	540000	NA	270000	ND	5.6	ND
Xylene (Ortho)	95-47-6	435000	435000	435000	18	40	14
Xylene (para & meta)	1330-20-7	435000	435000	435000	51	150	37

Notes:

NA = Not Available

ND = Not detected above reporting limits

Bold concentrations indicates a detection

Bold and shaded concentrations indicates an exceedance

ATTACHMENT 1
Soil and Water Analytical Results

LELAP Certification # 01960

MICRO METHODS

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

August 18, 2009

Clyde Woodward

Work Order # : 0907162

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

Purchase Order #

RE: KEC

Enclosed are the results of analyses for samples received by the laboratory on 07/09/09 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Harry P. Howell

Harry P. Howell

President

MICRO METHODS

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

Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
04 Cutting Sludge	0907162-01	Sludge	07/06/09 11:00	07/09/09 12:00
05 Cutting Solids	0907162-02	Soil	07/06/09 11:00	07/09/09 12:00
06 RT 2516	0907162-03	Soil	07/06/09 11:00	07/09/09 12:00
07 RT 2514	0907162-04	Soil	07/06/09 11:00	07/09/09 12:00
08 RT 2504	0907162-05	Soil	07/06/09 11:00	07/09/09 12:00
09 RT 2518	0907162-06	Soil	07/06/09 11:00	07/09/09 12:00
10 RB-0625320	0907162-07	Soil	07/06/09 11:00	07/09/09 12:00
11 RB-0225107	0907162-08	Soil	07/06/09 11:00	07/09/09 12:00
12 RB-0325304	0907162-09	Soil	07/06/09 11:00	07/09/09 12:00

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

Case Narrative

SAMPLE RECEIVING
Samples received in good condition.
Samples not delivered to laboratory on ice.
Chain of Custody and container labels agree.
Container labels complete.
Chain of Custody complete.

Organics - PCB's
Batch# 9G10006
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 not within the acceptance criteria range. 8082
Lab control sample(s) within the acceptance criteria range. 8082
Duplicate sample(s) within acceptance criteria range. 8082
Qualifiers: SR-02, SR-08, E-01. See notes and definitions. 8082
Duplicate Source from WO# 0907191

MICRO METHODS

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

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

Reported:
08/18/09 13:29

04 Cutting Sludge

0907162-01 (Sludge)

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	9G10006	07/10/09	07/14/09	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	**2.50**	1.20	"	2000	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*21.4 %*	*30-129*		"	"	"	"	*SR02*
Surrogate: Tetrachloro-meta-xylene		*20.9 %*	*10-118*		"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

05 Cutting Solids

0907162-02 (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	9G10006	07/10/09	07/14/09	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	**4.26**	1.20	"	2000	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*12.8 %*		*30-129*	"	"	"	"	*SR02*
Surrogate: Tetrachloro-meta-xylene		*%*		*10-118*	"	"	"	"	*SR02*

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

06 RT 2516

0907162-03 (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	9G10006	07/10/09	07/14/09	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	**0.048**	0.012	"	20	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*75.8 %*	*30-129*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*21.4 %*	*10-118*		"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

07 RT 2514

0907162-04 (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	9G10006	07/10/09	07/13/09	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	**0.239**	0.060	"	100	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*72.1 %*	*30-129*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*36.2 %*	*10-118*		"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

08 RT 2504

0907162-05 (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	9G10006	07/10/09	07/14/09	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	**0.114**	0.030	"	50	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*63.0 %*	*30-129*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*42.8 %*	*10-118*		"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

09 RT 2518

0907162-06 (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	9G10006	07/10/09	07/14/09	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	**0.055**	0.030	"	50	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*75.4 %*		*30-129*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*45.4 %*		*10-118*	"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

10 RB-0625320

0907162-07 (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	9G10006	07/10/09	07/14/09	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	**0.285**	0.060	"	100	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*79.6 %*		*30-129*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*33.4 %*		*10-118*	"	"	"	"	

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

11 RB-0225107

0907162-08 (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	9G10006	07/10/09	07/15/09	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	**8.07**	3.00	"	5000	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*%*		*30-129*	"	"	"	"	*SR02*
Surrogate: Tetrachloro-meta-xylene		*%*		*10-118*	"	"	"	"	*SR02*

MICRO METHODS

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228-875-6420 Phone
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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

12 RB-0325304

0907162-09 (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	9G10006	07/10/09	07/15/09	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	**6.37**	3.00	"	5000	"	"	"	"	E-01
Surrogate: Decachlorobiphenyl		*%*		*30-129*	"	"	"	"	*SR02*
Surrogate: Tetrachloro-meta-xylene		*%*		*10-118*	"	"	"	"	*SR02*

MICRO METHODS

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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

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 9G10006 - EPA 3550B										
Blank (9G10006-BLK1)				Prepared: 07/10/09 Analyzed: 07/13/09						
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	0.0006	"							
Surrogate: Decachlorobiphenyl	*0.00433*		"	*0.00333*		*130*	*30-129*			*SR08*
Surrogate: Tetrachloro-meta-xylene	*0.00233*		"	*0.00333*		*70.0*	*10-118*			
LCS (9G10006-BS1)				Prepared: 07/10/09 Analyzed: 07/14/09						
PCB-1016	0.001	0.005	mg/kg	0.00167		81.6	47-124		45	
PCB-1260	0.001	0.0006	"	0.00167		85.2	50-150		45	
Surrogate: Decachlorobiphenyl	*0.00417*		"	*0.00333*		*125*	*30-129*			
Surrogate: Tetrachloro-meta-xylene	*0.00210*		"	*0.00333*		*63.0*	*10-118*			
LCS Dup (9G10006-BSD1)				Prepared: 07/10/09 Analyzed: 07/14/09						
PCB-1016	0.001	0.005	mg/kg	0.00167		79.6	47-124	2.48	45	
PCB-1260	0.001	0.0006	"	0.00167		86.4	50-150	1.40	45	
Surrogate: Decachlorobiphenyl	*0.00403*		"	*0.00333*		*121*	*30-129*			
Surrogate: Tetrachloro-meta-xylene	*0.00213*		"	*0.00333*		*64.0*	*10-118*			
Duplicate (9G10006-DUP1)	**Source: 0907191-03**			Prepared: 07/10/09 Analyzed: 07/14/09						
PCB-1016	ND	0.005	mg/kg		ND				45	
PCB-1221	ND	0.050	"		ND				45	
PCB-1232	ND	0.050	"		ND				45	
PCB-1242	ND	0.050	"		ND				45	
PCB-1248	ND	0.050	"		ND				45	
PCB-1254	ND	0.050	"		ND				45	
PCB-1260	ND	0.0006	"		ND				45	
Surrogate: Decachlorobiphenyl	*0.00*		"	*0.00333*			*30-129*			*SR02*
Surrogate: Tetrachloro-meta-xylene	*0.00120*		"	*0.00333*		*36.0*	*10-118*			

MICRO METHODS

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Ocean Springs, MS 39564
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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

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*	*06/30/2010*
NELAP	*National Enviro Lab Accreditation Program*		*06/30/2010*

MICRO METHODS

6500 Sunplex Drive
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Environmental Management Services	Project: KEC	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	08/18/09 13:29

Notes and Definitions

SR08	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.
SR02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
E-01	The concentration for this analyte is above the calibration range of the instrument. Results are from a secondary dilution.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference

EMAIL:

Micro-Methods Lab, Inc.
6500 Sunplex Drive, Ocean Springs, MS 39564
Ph: 228-875-6420 • Fax: 228-875-6423

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

Field pH: Tech: Time:
Field Temperature:
Iced: Yes No
Sample Receipt Temperature:

REPORT RESULTS TO:
Company: EMS
Name:
Address: PO Box 15369
City: [illegible]
State: MS ZIP 39[illegible]
TEL: [illegible] FAX:
Sampled by: (Signature) [signature]
(Print) Andrew Hanson

SEND INVOICE TO:
Company: PO#:
Name:
Address:
City:
State: ZIP
TEL: FAX:
Project Name: KEC

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.

0967162

	For Lab Use Only Sample Number	Station Location / Sample ID	DATE	TIME	COMP	GRAB	RB	# CONTAINERS
1.		04 cutting water	7/6/09	1100	X			1
2.		05 cutting solids	7/6/09	1100	X			
3.		06 RT2516	↓	↓				
4.		07 RT2514						
5.		08 RT2504						
6.		09 RT2518						
7.		10 RB-0625320						
8.		11 RB-0225167						
9.		12 RB-0325304						
10.								

Released By Signature	Date & Time Released	Received By Signature	Date & Time Received
[signature]	7/9/09 0850	[signature]	7/9/09 0800
Printed Name: Andrew Hanson		Printed Name: Chris Woodward	
Released By Signature: [signature]	Date & Time Released: 7/9/09 1200	Received By Signature: [signature]	Date & Time Received: 7/9/09 1200
Printed Name: Chris Woodward		Printed Name: [illegible]	

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)

	Issue Date 4-16-04 Implementation Date: 4-16-04 Approved By: HPH/TJW	**Change Order Request/Special Instructions**	DCN: 100 Date Revised:4-16-04 Revision:

Change Order Request/ Special Instructions

To: Jeni
Re:
From: Henry
How Received
Change/Special Instructions initiated by: QC Tech
Contact:
Phone #

Date/Time 8-13-09
Date Effective:
Change___ Special Instructions___

Client: KEC
Sample/s 0907162

Testing Added

Testing Deleted

Other Changes Change sample # 0907162-01 ID from Cutting Water to Cutting Sludge. Also change matrix to Sludge

Special Instructions

Comments

Complete Date: 8/14/09
by: M

LELAP Certification # 01960

MICRO METHODS

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

July 30, 2009

Clyde Woodward

Work Order # : 0907411

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

Purchase Order #

RE: Kuhlman Electric

Enclosed are the results of analyses for samples received by the laboratory on 07/23/09 10:44. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Harry P. Howell

Harry P. Howell

President

MICRO METHODS

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

vironmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kuhlman Electric Concrete Cutting Water	0907411-01	Water	07/20/09 09:30	07/23/09 10:44

MICRO METHODS

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

Environmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

Case Narrative

SAMPLE RECEIVING
Samples received in good condition.
Samples received at 8.5°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 8082
Batch# 9G24006
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 except as noted. 8082
Matrix spike sample(s) within acceptance criteria range. 8082
Qualifiers: E-01, SR-16, L2. See notes and definitions. 8082

MICRO METHODS

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

Environmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

Kuhlman Electric Concrete Cutting Water

0907411-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	0.051	ug/L	1	9G24006	07/24/09	07/28/09	EPA 8082	
PCB-1221	ND	0.505	"	"	"	"	"	"	
PCB-1232	ND	0.505	"	"	"	"	"	"	
PCB-1242	ND	0.505	"	"	"	"	"	"	
PCB-1248	ND	0.505	"	"	"	"	"	"	
PCB-1254	ND	0.505	"	"	"	"	"	"	
PCB-1260	ND	1.01	"	20	"	"	"	"	E-01
Surrogate: Tetrachloro-meta-xylene		*42.0 %*		*10-118*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*115 %*		*10-129*	"	"	"	"	

MICRO METHODS

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

Environmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

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 9G24006 - EPA 3510C										
Blank (9G24006-BLK1)				Prepared: 07/24/09 Analyzed: 07/28/09						
PCB-1016	ND	0.050	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	*0.0320*		"	*0.100*		*32.0*	*10-118*			
Surrogate: Decachlorobiphenyl	*0.123*		"	*0.100*		*123*	*10-129*			
LCS (9G24006-BS1)				Prepared: 07/24/09 Analyzed: 07/29/09						
PCB-1016	0.022		ug/L	0.0500		43.0	47-124		45	L2
PCB-1260	0.031		"	0.0500		61.4	50-150		45	
Surrogate: Tetrachloro-meta-xylene	*0.0430*		"	*0.100*		*43.0*	*10-118*			
Surrogate: Decachlorobiphenyl	*0.118*		"	*0.100*		*118*	*10-129*			
LCS Dup (9G24006-BSD1)				Prepared: 07/24/09 Analyzed: 07/29/09						
PCB-1016	0.026		ug/L	0.0500		51.0	47-124	17.0	45	
PCB-1260	0.036		"	0.0500		71.6	50-150	15.4	45	
Surrogate: Tetrachloro-meta-xylene	*0.0490*		"	*0.100*		*49.0*	*10-118*			
Surrogate: Decachlorobiphenyl	*0.136*		"	*0.100*		*136*	*10-129*			*SR16*
Matrix Spike (9G24006-MS1)	**Source: 0907411-01**			Prepared: 07/24/09 Analyzed: 07/29/09						
PCB-1016	0.027		ug/L	0.0513	ND	52.6	25-150		45	
PCB-1260	0.876		"	0.0513	0.863	25.9	25-150		45	E-01
Surrogate: Tetrachloro-meta-xylene	*0.0369*		"	*0.103*		*36.0*	*10-118*			
Surrogate: Decachlorobiphenyl	*0.106*		"	*0.103*		*103*	*10-129*			

MICRO METHODS

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

Environmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

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*	*06/30/2010*
NELAP	*National Enviro Lab Accreditation Program*		*06/30/2010*

MICRO METHODS

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

Environmental Management Services	Project: Kuhlman Electric	
PO Box 15369	Project Number: [none]	**Reported:**
Hattiesburg MS, 39404-5369	Project Manager: Clyde Woodward	07/30/09 13:27

Notes and Definitions

SR16	The surrogate recovery for this sample is outside of established control limits.
L2	LCS and/or LCSD Recovery below acceptance limit.
E-01	The concentration for this analyte is above the calibration range of the instrument. Results are from 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.
6500 Suspiex Drive, Ocean Springs, MS 39564
Ph: 228-875-6420 • Fax: 228-875-6423

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

Field pH: Tech: C W Time: 0 9:3
Field Temperature: 8.5C
Iced: (Yes) No
Sample Receipt Temperature:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Company: Ems	Company: PO#:	Date Results needed by:
Name: Clyde Woodard	Name:	Standard turnaround time is 10 working days ☐
Address: P.O. Box 15369	Address: Same	The following turnaround times require lab approval:
City: Hattiesburg	City:	☐ 7-10 days ☐ 72 Hrs ☐ 48 Hrs
State: MS. ZIP 39401	State: ZIP	☐ 24 Hrs Approved by
TEL: 601-544-3674 FAX:	TEL: FAX:	
Sampled by: (Signature) (Print) Chris Woodard	Project Name: Kuhlman Electric	Date of Sample Shipment: 7-22-09

Failure to complete shaded areas will hinder processing of samples.

	For Lab Use Only Sample Number	Station Location / Sample ID	DATE	TIME	Sampling COMP	Sampling GRAB		List Test Needed PCB									# CONTAINERS
1.		Kuhlman Electric	7-2009	09:20		X		X									2
2.		Concrete Cutting Water															
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Released By Signature	Date & Time Released	Received By Signature	Date & Time Received
Printed Name: Chris Woodard	7-22-09 0500 pm	Printed Name: Christina Sellers	7/22/09 1700
Released By Signature	Date & Time Released	Received By Signature	Date & Time Received
Printed Name: Christina Sellers	7/23/09 10:44	Printed Name: Aaron Summerfield	7/23/09 10:44

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)

ATTACHMENT 2
Air Sampling Results

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name: EMSL ANALYTICAL
Lab Location: WESTMONT, NJ
Sample Matrix: Air
Laboratory ID Number: 280901184-1
Laboratory File ID: j3378.d

Results for Project: EMSL 280901184
Client Sample ID: #2
Analysis Date: 07/22/09
Sample Volume(mL): 250
Canister ID: S8127

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Propylene	115-07-1	ND	1.0	1.7	
Freon 12(Dichlorodifluoromethane)	75-71-8	ND	0.50	2.5	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	ND	0.50	3.5	
Chloromethane	74-87-3		0.72	1.5	
Vinyl chloride	75-01-4	ND	0.50	1.3	
1,3-Butadiene	106-99-0	ND	0.50	1.1	
Bromomethane	74-83-9	ND	0.50	1.9	
Chloroethane	75-00-3	ND	0.50	1.3	
Ethanol	64-17-5		21	40	
Bromoethene (Vinyl bromide)	593-60-2	ND	0.50	2.2	
Freon 11(Trichlorofluoromethane)	75-69-4	ND	0.50	2.8	
Isopropyl alcohol(2-Propanol)	67-63-0		3.6	8.8	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	ND	0.50	3.8	
Acetone	67-64-1	E	26	61	
1,1-Dichloroethene	75-35-4	ND	0.50	2.0	
Acetonitrile	75-05-8	ND	0.50	0.84	
Tertiary butyl alcohol (TBA)	75-65-0	ND	0.50	1.5	
Bromoethane (Ethyl bromide)	74-96-4	ND	0.50	2.2	
3-Chloropropene (Allyl chloride)	107-05-1	ND	0.50	1.6	
Carbon disulfide	75-15-0	ND	0.50	1.6	
Methylene chloride	75-09-2	ND	1.5	5.2	
Acrylonitrile	107-13-1	ND	0.50	1.1	
Methyl-tert-butyl ether(MTBE)	1634-04-4	ND	0.50	1.8	
trans-1,2-Dichloroethene	156-60-5	ND	0.50	2.0	
n-Hexane	110-54-3	ND	0.50	1.8	
1,1-Dichloroethane	75-34-3	ND	0.50	2.0	
Vinyl acetate	108-05-4	ND	0.50	1.8	
2-Butanone(MEK)	78-93-3		2.9	8.7	
cis-1,2-Dichloroethene	156-59-2	ND	0.50	2.0	
Ethyl acetate	141-78-6	ND	0.50	1.8	
Chloroform	67-66-3	ND	0.50	2.4	
Tetrahydrofuran	109-99-9		0.68	2.0	
1,1,1-Trichloroethane	71-55-6	ND	0.50	2.7	
Cyclohexane	110-82-7	ND	0.50	1.7	
2,2,4-Trimethylpentane (Isooctane)	540-84-1	ND	0.50	2.3	

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Carbon tetrachloride	56-23-5	ND	0.50	3.1	
n-Heptane	142-82-5		0.65	2.6	
1,2-Dichloroethane	107-06-2	ND	0.50	2.0	
Benzene	71-43-2		0.64	2.0	
Trichloroethene	79-01-6	ND	0.50	2.7	
1,2-Dichloropropane	78-87-5	ND	0.50	2.3	
Bromodichloromethane	75-27-4	ND	0.50	3.3	
1,4-Dioxane	123-91-1	ND	0.50	1.8	
4-Methyl-2-pentanone(MIBK)	108-10-1		2.2	9.2	
cis-1,3-Dichloropropene	10061-01-5	ND	0.50	2.3	
Toluene	108-88-3		1.7	6.5	
trans-1,3-Dichloropropene	10061-02-6	ND	0.50	2.3	
1,1,2-Trichloroethane	79-00-5	ND	0.50	2.7	
2-Hexanone(MBK)	591-78-6	ND	0.50	2.0	
Tetrachloroethene	127-18-4	ND	0.50	3.4	
Dibromochloromethane	124-48-1	ND	0.50	4.3	
1,2-Dibromoethane	106-93-4	ND	0.50	3.8	
Chlorobenzene	108-90-7	ND	0.50	2.3	
Ethylbenzene	100-41-4		3.4	15	
Xylene (para & meta)	1330-20-7		12	51	
Xylene (Ortho)	95-47-6		4.1	18	
Styrene	100-42-5	ND	0.50	2.1	
Bromoform	75-25-2	ND	0.50	5.2	
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.50	3.4	
4-Ethyltoluene	622-96-8		1.2	5.7	
1,3,5-Trimethylbenzene	108-67-8	ND	0.50	2.5	
2-Chlorotoluene	95-49-8	ND	0.50	2.6	
1,2,4-Trimethylbenzene	95-63-6		1.2	6.0	
1,3-Dichlorobenzene	541-73-1	ND	0.50	3.0	
1,4-Dichlorobenzene	106-46-7		3.9	23	
Benzyl chloride	100-44-7	ND	0.50	3.7	
1,2-Dichlorobenzene	95-50-1	ND	0.50	3.0	
1,2,4-Trichlorobenzene	120-82-1	ND	0.50	3.7	
Hexachloro-1,3-butadiene	87-68-3	ND	0.50	5.3	

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	10.39	10.00	104	70 - 130

Qualifier (Q) Key:

(No Qualifier in field) = Compound detected at reported concentration in ppbv and ug/m3.
ND = Not Detected.
D = Diluted. Reported from dilution run. Value is accurate.
B = Detected in blank.
E = Estimated Concentration. Exceeded calibration limit.
J = Detected below practical quatitation level, but above MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name: EMSL ANALYTICAL
Lab Location: WESTMONT, NJ
Sample Matrix: Air
Laboratory ID Number: 280901184-3
Laboratory File ID: j3365.d

Results for Project: EMSL 280901184
Client Sample ID: #1
Analysis Date: 07/21/09
Sample Volume(mL): 250
Canister ID: T2072

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Propylene	115-07-1	ND	1.0	1.7	
Freon 12(Dichlorodifluoromethane)	75-71-8		0.64	3.2	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	ND	0.50	3.5	
Chloromethane	74-87-3		0.73	1.5	
Vinyl chloride	75-01-4	ND	0.50	1.3	
1,3-Butadiene	106-99-0		2.0	4.4	
Bromomethane	74-83-9	ND	0.50	1.9	
Chloroethane	75-00-3	ND	0.50	1.3	
Ethanol	64-17-5	D	71	130	D=J3342.D
Bromoethene (Vinyl bromide)	593-60-2	ND	0.50	2.2	
Freon 11(Trichlorofluoromethane)	75-69-4	ND	0.50	2.8	
Isopropyl alcohol(2-Propanol)	67-63-0		8.9	22	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	ND	0.50	3.8	
Acetone	67-64-1	D	39	91	D=J3342.D
1,1-Dichloroethene	75-35-4	ND	0.50	2.0	
Acetonitrile	75-05-8	ND	0.50	0.84	
Tertiary butyl alcohol (TBA)	75-65-0		1.1	3.4	
Bromoethane (Ethyl bromide)	74-96-4	ND	0.50	2.2	
3-Chloropropene (Allyl chloride)	107-05-1	ND	0.50	1.6	
Carbon disulfide	75-15-0	ND	0.50	1.6	
Methylene chloride	75-09-2		2.0	6.9	
Acrylonitrile	107-13-1	ND	0.50	1.1	
Methyl-tert-butyl ether(MTBE)	1634-04-4	ND	0.50	1.8	
trans-1,2-Dichloroethene	156-60-5	ND	0.50	2.0	
n-Hexane	110-54-3		1.5	5.4	
1,1-Dichloroethane	75-34-3	ND	0.50	2.0	
Vinyl acetate	108-05-4	ND	0.50	1.8	
2-Butanone(MEK)	78-93-3		13	39	
cis-1,2-Dichloroethene	156-59-2	ND	0.50	2.0	
Ethyl acetate	141-78-6		0.81	2.9	
Chloroform	67-66-3	ND	0.50	2.4	
Tetrahydrofuran	109-99-9		1.1	3.2	
1,1,1-Trichloroethane	71-55-6	ND	0.50	2.7	
Cyclohexane	110-82-7		0.72	2.5	
2,2,4-Trimethylpentane (Isooctane)	540-84-1	ND	0.50	2.3	

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Carbon tetrachloride	56-23-5	ND	0.50	3.1	
n-Heptane	142-82-5		0.83	3.4	
1,2-Dichloroethane	107-06-2	ND	0.50	2.0	
Benzene	71-43-2		5.3	17	
Trichloroethene	79-01-6		1.0	5.6	
1,2-Dichloropropane	78-87-5	ND	0.50	2.3	
Bromodichloromethane	75-27-4	ND	0.50	3.3	
1,4-Dioxane	123-91-1	ND	0.50	1.8	
4-Methyl-2-pentanone(MIBK)	108-10-1		16	67	
cis-1,3-Dichloropropene	10061-01-5	ND	0.50	2.3	
Toluene	108-88-3		15	55	
trans-1,3-Dichloropropene	10061-02-6	ND	0.50	2.3	
1,1,2-Trichloroethane	79-00-5	ND	0.50	2.7	
2-Hexanone(MBK)	591-78-6	ND	0.50	2.0	
Tetrachloroethene	127-18-4	ND	0.50	3.4	
Dibromochloromethane	124-48-1	ND	0.50	4.3	
1,2-Dibromoethane	106-93-4	ND	0.50	3.8	
Chlorobenzene	108-90-7	ND	0.50	2.3	
Ethylbenzene	100-41-4		10	45	
Xylene (para & meta)	1330-20-7		34	150	
Xylene (Ortho)	95-47-6		9.3	40	
Styrene	100-42-5		1.5	6.5	
Bromoform	75-25-2	ND	0.50	5.2	
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.50	3.4	
4-Ethyltoluene	622-96-8		3.8	19	
1,3,5-Trimethylbenzene	108-67-8		1.5	7.5	
2-Chlorotoluene	95-49-8	ND	0.50	2.6	
1,2,4-Trimethylbenzene	95-63-6		4.5	22	
1,3-Dichlorobenzene	541-73-1	ND	0.50	3.0	
1,4-Dichlorobenzene	106-46-7		19	110	
Benzyl chloride	100-44-7	ND	0.50	3.7	
1,2-Dichlorobenzene	95-50-1	ND	0.50	3.0	
1,2,4-Trichlorobenzene	120-82-1	ND	0.50	3.7	
Hexachloro-1,3-butadiene	87-68-3	ND	0.50	5.3	

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	10.38	10.00	104	70 - 130

Qualifier (Q) Key:

(No Qualifier in field) = Compound detected at reported concentration in ppbv and ug/m3.
ND = Not Detected.
D = Diluted. Reported from dilution run. Value is accurate.
B = Detected in blank.
E = Estimated Concentration. Exceeded calibration limit.
J = Detected below practical quatitation level, but above MDL.

VOLATILE ORGANICS DATA ANALYSIS SUMMARY
EPA COMPENDIUM TO-15

Lab Name: EMSL ANALYTICAL
Lab Location: WESTMONT, NJ
Sample Matrix: Air
Laboratory ID Number: 280901184-4
Laboratory File ID: j3366.d

Results for Project: EMSL 280901184
Client Sample ID: #3
Analysis Date: 07/21/09
Sample Volume(mL): 250
Canister ID: T2147

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Propylene	115-07-1		8.3	14	
Freon 12(Dichlorodifluoromethane)	75-71-8		0.56	2.8	
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	ND	0.50	3.5	
Chloromethane	74-87-3		0.72	1.5	
Vinyl chloride	75-01-4	ND	0.50	1.3	
1,3-Butadiene	106-99-0		0.93	2.1	
Bromomethane	74-83-9	ND	0.50	1.9	
Chloroethane	75-00-3	ND	0.50	1.3	
Ethanol	64-17-5		16	30	
Bromoethene (Vinyl bromide)	593-60-2	ND	0.50	2.2	
Freon 11(Trichlorofluoromethane)	75-69-4	ND	0.50	2.8	
Isopropyl alcohol(2-Propanol)	67-63-0		22	53	
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	ND	0.50	3.8	
Acetone	67-64-1	D	65	150	D=J3343.D
1,1-Dichloroethene	75-35-4	ND	0.50	2.0	
Acetonitrile	75-05-8	ND	0.50	0.84	
Tertiary butyl alcohol (TBA)	75-65-0		0.84	2.6	
Bromoethane (Ethyl bromide)	74-96-4	ND	0.50	2.2	
3-Chloropropene (Allyl chloride)	107-05-1	ND	0.50	1.6	
Carbon disulfide	75-15-0	ND	0.50	1.6	
Methylene chloride	75-09-2	ND	1.5	5.2	
Acrylonitrile	107-13-1	ND	0.50	1.1	
Methyl-tert-butyl ether(MTBE)	1634-04-4	ND	0.50	1.8	
trans-1,2-Dichloroethene	156-60-5	ND	0.50	2.0	
n-Hexane	110-54-3	ND	0.50	1.8	
1,1-Dichloroethane	75-34-3	ND	0.50	2.0	
Vinyl acetate	108-05-4	ND	0.50	1.8	
2-Butanone(MEK)	78-93-3		3.4	10	
cis-1,2-Dichloroethene	156-59-2	ND	0.50	2.0	
Ethyl acetate	141-78-6	ND	0.50	1.8	
Chloroform	67-66-3	ND	0.50	2.4	
Tetrahydrofuran	109-99-9		0.82	2.4	
1,1,1-Trichloroethane	71-55-6	ND	0.50	2.7	
Cyclohexane	110-82-7	ND	0.50	1.7	
2,2,4-Trimethylpentane (Isooctane)	540-84-1	ND	0.50	2.3	

Compound	CAS Number	Q	Results ppbv	Results ug/m3	
Carbon tetrachloride	56-23-5	ND	0.50	3.1	
n-Heptane	142-82-5	ND	0.50	2.0	
1,2-Dichloroethane	107-06-2	ND	0.50	2.0	
Benzene	71-43-2		1.1	3.5	
Trichloroethene	79-01-6	ND	0.50	2.7	
1,2-Dichloropropane	78-87-5	ND	0.50	2.3	
Bromodichloromethane	75-27-4	ND	0.50	3.3	
1,4-Dioxane	123-91-1	ND	0.50	1.8	
4-Methyl-2-pentanone(MIBK)	108-10-1		2.4	9.8	
cis-1,3-Dichloropropene	10061-01-5	ND	0.50	2.3	
Toluene	108-88-3		1.8	6.7	
trans-1,3-Dichloropropene	10061-02-6	ND	0.50	2.3	
1,1,2-Trichloroethane	79-00-5	ND	0.50	2.7	
2-Hexanone(MBK)	591-78-6	ND	0.50	2.0	
Tetrachloroethene	127-18-4	ND	0.50	3.4	
Dibromochloromethane	124-48-1	ND	0.50	4.3	
1,2-Dibromoethane	106-93-4	ND	0.50	3.8	
Chlorobenzene	108-90-7	ND	0.50	2.3	
Ethylbenzene	100-41-4		2.3	10	
Xylene (para & meta)	1330-20-7		8.4	37	
Xylene (Ortho)	95-47-6		3.2	14	
Styrene	100-42-5		0.95	4.0	
Bromoform	75-25-2	ND	0.50	5.2	
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.50	3.4	
4-Ethyltoluene	622-96-8		0.88	4.3	
1,3,5-Trimethylbenzene	108-67-8	ND	0.50	2.5	
2-Chlorotoluene	95-49-8	ND	0.50	2.6	
1,2,4-Trimethylbenzene	95-63-6		1.1	5.3	
1,3-Dichlorobenzene	541-73-1	ND	0.50	3.0	
1,4-Dichlorobenzene	106-46-7		1.0	6.1	
Benzyl chloride	100-44-7	ND	0.50	3.7	
1,2-Dichlorobenzene	95-50-1	ND	0.50	3.0	
1,2,4-Trichlorobenzene	120-82-1	ND	0.50	3.7	
Hexachloro-1,3-butadiene	87-68-3	ND	0.50	5.3	

Surrogate	Result(ppbv)	True(ppbv)	%Recovery	Limits %
4-Bromofluorobenzene	11.96	10.00	120	70 - 130

Qualifier (Q) Key:

(No Qualifier in field) = Compound detected at reported concentration in ppbv and ug/m3.
ND = Not Detected.
D = Diluted. Reported from dilution run. Value is accurate.
B = Detected in blank.
E = Estimated Concentration. Exceeded calibration limit.
J = Detected below practical quatitation level, but above MDL.

ATTACHMENT 3
Field Notes

Notes from Concrete Cutting
Kuhlman Electric Corporation
Crystal Springs, MS

July 6 through 8, 2009

Day 1

07/06/09

0645 Arrive on site. Locate EMS crew with Concrete cutters in the Winding Department. Cut was in progress.
0700 Cut #1, located in the Winding Department, is completed.
0717 Calibrated FID
0730 Calibrated four gas meter
0742 Calibrated PID
0745 Initial readings at Cut #1

PID		0.5 ppm
FID		0 ppm
4 gas	H2S	0 ppm
	CO	37 ppm *
	O2	20.9 %
	LEL	0.0 %

* determined to be due to the operation of diesel equipment in the vicinity. Levels dropped to the 0-12 range shortly after this reading was taken.

NOTE: Instruments were operated and monitored continuously; data logged only if something of interest was noted or at random intervals.

0815 Start cutting area #3, located in front of the vapor phase unit in the Core Department. Initial readings

PID		0.6 ppm
FID		0 ppm
4 gas	H2S	0 ppm
	CO	12 ppm
	O2	20.9 %
	LEL	0.0 %

0836 Start breaking concrete in winding by driving track mounted pile driver down into cut area in a grid pattern, approximately 6-8 inches apart. ***Start air sample canister (Sample #1).***
0900 Start cutting in area #2 near the Core Department Supervisor's Office. Initial readings

PID		0.6 ppm
FID		0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm

O2 20.9 %
LEL 0.0 %

1005 Completed punching holes in Cut #1.
1014 Start concrete removal by using a backhoe to pull/break concrete, loading in a bucket truck, transferring to a roll off.
1022 Loaded one bucket, roo offs not yet set. Sample canister set in exposed soil.
1100 Lunch break.
1203 Resume concrete removal.
1530 FID out of fuel.
1630 4 gas batteries drained.
1636 Collect sample #1 container. Total run time 8 hours.
1705 Done for the day. Removed approximately 12' x 18' of concrete and soil to a depth of 4'.
1715 Offsite.

Day 2

07/07/09

0650 Calibrate equipment. Take meter readings in excavation.
PID 0.0 ppm
4 gas H2S 0 ppm
CO 0 ppm
O2 20.9 %
LEL 0.0 %
0745 Found leak; 4" PVC pipe going into an 8" cast iron drain line leaking.
0925 KEC removed pipe, capped both ends.
1000 Soil temp reading taken at freshly removed soil: 3" below soil surface 70F; 4' below soil surface 71F.
1130 Lunch Break.
1230 Resume concrete and soil removal.
1255 All concrete removed; soil removal continues.
1355 soil removal complete; clean up,. Reposition equipment, lining hole with poly.

Day 3

07/08/09

0650 Calibrate equipment.
0700 Took meter readings from Cut #1 before crew begins backfill.
PID 0.0 ppm
4 gas H2S 0 ppm
CO 0 ppm
O2 20.9 %
LEL 0.0 %

0724 Started breaking concrete in front of Core Office. Started canister sample #2.

FID		0 ppm
PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm
	O2	20.9 %
	LEL	0.0 %

0727 Scott with KEC requests we stop the current work and complete removal at area #3 at the Vapor Phase Tracks.

0730 Start breaking concrete at location #3,. Start canister sample #3.

FID		0 ppm
PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm
	O2	20.9 %
	LEL	0.0 %

0808 Another crew started grinding and cutting rails n the adjacent vapor phase (approx. 15 feet from sample location).

0940 Started removing concrete and some soil from area #3.

FID		0 ppm
PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm
	O2	20.9 %
	LEL	0.0 %

1012 Stopped sample #2; will continue when work recommences.

1045 Stop for lunch while KEC personnel remove metal tracks.

1145 Resume concrete removal.

FID		0 ppm
PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm
	O2	20.9 %
	LEL	0.0 %

1210

FID		0 ppm
PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	33 ppm*
	O2	20.9 %
	LEL	0.0 %

* believed to be from equipment exhaust; meter relocated away from exhaust.

1215 FID out of fuel. Monitoring with PID and 4 gas continues.

1405 Complete removal at area #3.

1410 Resume work at area #2. Resume canister sample #2.

PID		0.0 ppm
4 gas	H2S	0 ppm
	CO	0 ppm
	O2	20.9 %
	LEL	0.0 %

1545 Sample rolloff boxes. Composite soil samples collected from each rolloff.

1622 Complete concrete removal at area #2.