

**BorgWarner  
Inc.**

**3850  
Hamlin  
Road**

**Auburn Hills  
Michigan  
48326-1784**

**Telephone  
248 754 9200  
Fax  
248 754 0888**

AH-09-2133

VIA UPS NEXT DAY AIR

December 3, 2009



Mr. Tony Russell, Chief  
Assessment & Remediation Branch  
Mississippi Department of Environmental Quality  
515 East Amite Street  
Jackson, Mississippi 39201

**Re: Revisions, KEC Groundwater Assessment Report April 2009**

Dear Mr. Russell,

Attached are the revisions in connection with the KEC Groundwater Assessment Report dated April 2009.

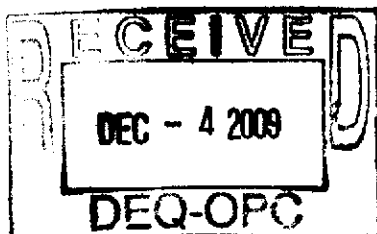
In the event there are any questions or additional information is needed, please feel free to contact me directly at 248-754-0839.

Very truly yours,

A handwritten signature in cursive script that reads 'Anastasia Hamel'.

Anastasia Hamel  
Director, Environmental Programs  
BorgWarner Inc.

cc: J. Pallas, US EPA Region IV



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**Telephone  
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248 754 0888**

AH-09-2134

VIA UPS NEXT DAY AIR

December 3, 2009



Mr. Jeffrey Pallas  
Chief of Restoration and UST Branch  
US EPA Region IV  
Atlanta Federal Center  
61 Forsyth St. S.W.  
Atlanta, Georgia 30303

**Re: KEC Groundwater Assessment Report April 2009  
Revisions, KEC Groundwater Assessment Report April 2009**

Dear Mr. Pallas,

Attached are the Kuhlman Electric Corporation (KEC) Groundwater Assessment Report dated April 2009 and the Revisions to the report dated December 2009.

In the event there are any questions or additional information is needed, please feel free to contact me directly at 248-754-0839.

Very truly yours,

A handwritten signature in cursive script that reads 'Anastasia Hamel'.

Anastasia Hamel  
Director, Environmental Programs  
BorgWarner Inc.

cc: T. Russell, MDEQ ✓

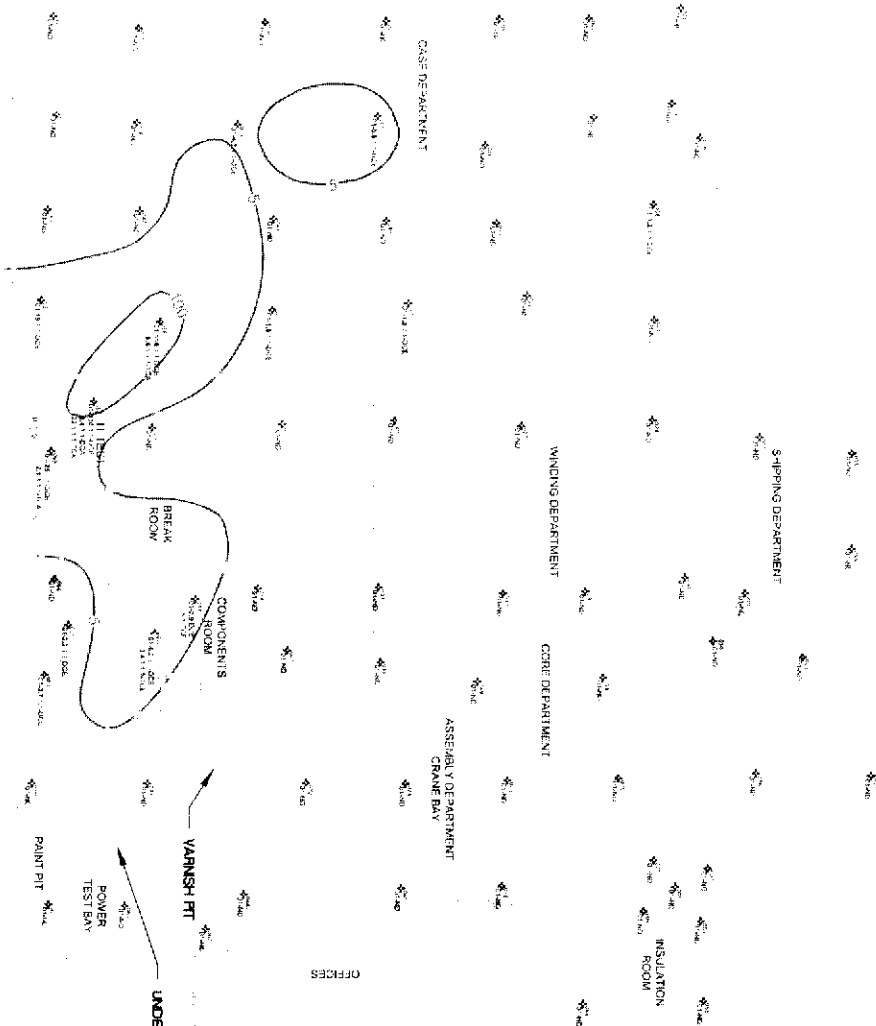
Table 2  
Soil Vapor  
On-Site Laboratory Analytical Results Summary  
Source Area Investigation  
September 2006 - November 2006

On-site Lab Sample ID	Sample Location	Sample ID	Date Collected	Time Collected	Depth (ft BGS)	VOCs Date Analyzed	1,1-Dichloroethene	1,1-Dichloroethane	Carbon tetrachloride	1,1,1-Trichloroethane	1,2-Dichloroethane	Trichloroethene	Toluene	Ethylbenzene	Xylenes (total)
KV053	SV26	KEP-SV-DP-26-01	10/21/2006	19:32	9.5	10/23/2006	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
KV055	SV26	KEP-SV-DP-26-02	10/21/2006	21:48	11.5	10/23/2006	36	-	-	-	-	-	-	-	-
KV060	SV27	KEP-SV-DP-27-01	10/21/2006	18:16	7.5	10/23/2006	-	-	-	-	-	-	-	-	-
KV056	SV27	KEP-SV-DP-27-02	10/21/2006	22:18	11	10/23/2006	5.0	-	-	-	-	-	-	-	-
KV051	SV28	KEP-SV-DP-28-01	10/21/2006	18:30	7.5	10/23/2006	-	-	-	-	-	-	-	-	-
KV057	SV28	KEP-SV-DP-28-02	10/21/2006	22:31	11	10/23/2006	-	-	-	-	-	-	-	-	-
KV052	SV29	KEP-SV-DP-29-01	10/21/2006	18:42	7.5	10/23/2006	-	-	-	-	-	-	-	-	-
KV058	SV29	KEP-SV-DP-29-02	10/21/2006	23:16	11	10/23/2006	-	-	-	-	-	-	-	-	-
KV061	SV30	KEP-SV-DP-30-01	10/22/2006	14:31	7.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV066	SV30	KEP-SV-DP-30-02	10/22/2006	17:08	11.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV062	SV31	KEP-SV-DP-31-01	10/22/2006	14:49	7.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV067	SV31	KEP-SV-DP-31-02	10/22/2006	17:24	11.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV065	SV32	KEP-SV-DP-32-01	10/22/2006	16:30	9	10/24/2006	-	-	-	-	-	-	-	-	-
KV068	SV32	KEP-SV-DP-32-02	10/22/2006	18:07	12	10/24/2006	-	-	-	-	-	-	-	-	-
KV063	SV33	KEP-SV-DP-33-01	10/22/2006	15:27	7.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV069	SV33	KEP-SV-DP-33-02	10/22/2006	18:35	11.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV064	SV34	KEP-SV-DP-34-01	10/22/2006	16:00	7.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV070	SV34	KEP-SV-DP-34-02	10/22/2006	19:16	11.5	10/24/2006	10	-	-	-	-	-	-	-	-
KV075	SV35	KEP-SV-DP-35-01	10/23/2006	16:49	3.5	10/24/2006	1.8	-	-	-	-	-	-	-	-
KV078	SV35	KEP-SV-DP-35-02	10/23/2006	17:50	8	10/24/2006	190	1.8	-	-	-	-	-	-	-
KV074	SV36	KEP-SV-DP-36-01	10/23/2006	16:42	3.5	10/24/2006	110	-	-	-	-	-	-	-	-
KV077	SV36	KEP-SV-DP-36-02	10/23/2006	17:28	8	10/24/2006	210	1.9	-	-	-	-	-	-	-
KV073	SV37	KEP-SV-DP-37-01	10/23/2006	16:00	3.5	10/24/2006	19	-	-	-	-	-	-	-	-
KV076	SV37	KEP-SV-DP-37-02	10/23/2006	17:12	8	10/24/2006	31	-	-	-	-	-	-	-	-
KV079	SV38	KEP-SV-DP-38-01	10/23/2006	19:27	3.5	10/24/2006	1.2	-	-	-	-	-	-	-	-
KV081	SV38	KEP-SV-DP-38-02	10/23/2006	20:11	8	10/24/2006	1.1	-	-	-	-	-	-	-	-
KV080	SV39	KEP-SV-DP-39-01	10/23/2006	19:38	3.5	10/24/2006	-	-	-	-	-	-	-	-	-
KV082	SV39	KEP-SV-DP-39-02	10/23/2006	20:27	8	10/24/2006	43	-	-	-	-	-	-	-	-
KV085	SV40	KEP-SV-DP-40-01	10/25/2006	16:55	3.5	10/26/2006	-	-	-	-	-	-	-	-	-
KV095	SV40	KEP-SV-DP-40-02	10/25/2006	23:19	8	10/27/2006	26	-	-	-	-	-	-	-	-
KV086	SV41	KEP-SV-DP-41-01	10/25/2006	17:15	3.5	10/26/2006	-	-	-	-	-	-	-	-	-
KV096	SV41	KEP-SV-DP-41-02	10/25/2006	23:30	8	10/27/2006	36	-	-	-	-	-	-	-	-
KV087	SV42	KEP-SV-DP-42-01	10/25/2006	17:20	3.5	10/26/2006	-	-	-	-	-	-	-	-	-
KV097	SV42	KEP-SV-DP-42-02	10/25/2006	23:55	8	10/27/2006	33	-	-	-	-	-	-	-	-
KV088	SV43	KEP-SV-DP-43-01	10/25/2006	17:29	3.5	10/26/2006	-	-	-	-	-	-	-	-	-
KV098	SV43	KEP-SV-DP-43-02	10/26/2006	0:10	8	10/27/2006	6.4	-	-	-	-	-	-	-	-
KV089	SV44	KEP-SV-DP-44-01	10/25/2006	19:00	8	10/26/2006	-	-	-	-	-	-	-	-	-
KV094	SV44	KEP-SV-DP-44-02	10/25/2006	22:26	12	10/26/2006	14	-	-	-	-	-	-	-	-
KV090	SV45	KEP-SV-DP-45-01	10/25/2006	19:23	8	10/26/2006	-	-	-	-	-	-	-	-	-
KV093	SV45	KEP-SV-DP-45-02	10/25/2006	21:54	12	10/26/2006	-	-	-	-	-	-	-	-	-
KV091	SV46	KEP-SV-DP-46-01	10/25/2006	19:54	8	10/26/2006	-	-	-	-	-	-	-	-	-
KV092	SV46	KEP-SV-DP-46-02	10/25/2006	20:50	12	10/26/2006	-	-	-	-	-	-	-	-	-
KV101	SV47	KEP-SV-DP-47-01	10/26/2006	16:22	8	10/27/2006	-	-	-	-	-	-	-	-	-
KV104	SV47	KEP-SV-DP-47-02	10/26/2006	20:22	12	10/27/2006	-	-	-	-	-	-	-	-	-

Table 6  
 On-Site Laboratory Analytical Results Summary  
 Waterloo Profiler Samples  
 Groundwater Investigation  
 March 2005 - March 2008

Waterloo Profiler Sample Location	On-site Lab Sample ID	Sample ID	Date Collected	Time Collected	Depth (ft BGS)	VOCs Date Analyzed	1,4-Dioxane Date Analyzed	1,1-Dichloro-ethane		Chloroform		1,1,1-Trichloro-ethane		1,2-Dichloro-ethane		1,1,2-Trichloro-ethane		Tetrachloro-ethene		1,1-Dioxane
								7	788	0.155	200	5	5	5	5	5	5.09			
MDEQ TRG (µg/L)																				
Laboratory Reporting Limit (µg/L)																				
WP001	W1096	KEP-WP-001-001	3/7/2005	16:22	65	3/7/2005	NA	11	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1097	KEP-WP-001-002	3/7/2005	17:20	70	3/7/2005	NA	240	6.8	1.6	-	-	-	-	-	-	-	-	-	NA
WP001	W1098	KEP-WP-001-003	3/7/2005	18:29	75	3/7/2005	NA	21	1.9	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1099	Duplicate	3/7/2005	-	-	3/7/2005	NA	24	2.0	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1100	KEP-WP-001-004	3/8/2005	08:02	80	3/8/2005	NA	27	1.6	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1101	KEP-WP-001-005	3/8/2005	08:56	85	3/8/2005	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1102	KEP-WP-001-006	3/8/2005	09:38	90	3/8/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1103	KEP-WP-001-007	3/8/2005	10:14	95	3/8/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1104	KEP-WP-001-008	3/8/2005	10:46	100	3/8/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1105	KEP-WP-001-009	3/8/2005	11:19	105	3/8/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP001	W1106	KEP-WP-001-010	3/8/2005	12:20	110	3/8/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1109	KEP-WP-002-001	3/8/2005	17:03	65	3/8/2005	NA	110	3.0	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1110	KEP-WP-002-002	3/8/2005	17:49	70	3/8/2005	NA	55	1.1	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1111	KEP-WP-002-003	3/8/2005	18:38	75	3/8/2005	NA	2.6	-	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1112	KEP-WP-002-004	3/9/2005	08:35	80	3/9/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1113	KEP-WP-002-005	3/9/2005	09:34	85	3/9/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1114	KEP-WP-002-006	3/9/2005	10:26	95	3/9/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP002	W1115	KEP-WP-002-007	3/9/2005	11:15	105	3/9/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP003	W1117	KEP-WP-003-001	3/9/2005	16:17	85	3/9/2005	NA	190	6.0	1.5	-	-	-	-	-	-	-	-	-	NA
WP003	W1118	KEP-WP-003-002	3/9/2005	17:01	70	3/9/2005	NA	24	-	-	-	-	-	-	-	-	-	-	-	NA
WP003	W1119	KEP-WP-003-003	3/9/2005	18:26	75	3/9/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP003	W1120	KEP-WP-003-004	3/9/2005	19:00	80	3/9/2005	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	NA
WP003	W1121	KEP-WP-003-005	3/10/2005	09:05	85	3/10/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP003	W1122	KEP-WP-003-006	3/10/2005	09:58	95	3/10/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1125	KEP-WP-004-001	3/10/2005	16:17	65	3/10/2005	NA	80	1.6	1.0	-	-	-	-	-	-	-	-	-	NA
WP004	W1126	KEP-WP-004-002	3/10/2005	17:02	70	3/10/2005	NA	1.2	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1127	KEP-WP-004-003	3/10/2005	18:21	75	3/10/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1128	KEP-WP-004-004	3/11/2005	08:52	80	3/11/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1129	KEP-WP-004-005	3/11/2005	09:32	85	3/11/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1130	KEP-WP-004-006	3/11/2005	10:27	95	3/11/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA
WP004	W1131	KEP-WP-004-007	3/11/2005	12:01	105	3/11/2005	NA	-	-	-	-	-	-	-	-	-	-	-	-	NA

# FLOOR PLAN - KEC PLANT



**LEGEND**

CHLORINATED VOC SOIL VAPORS CONCENTRATIONS CONTOUR (ug/l)  
 SHALLOW SOIL VAPOR CONCENTRATIONS AND LOCATIONS (ug/l)

NOTE: CONTOURS ARE BASED ON THE TOTAL CHLORINATED VOC VAPOR CONCENTRATION IN EACH SAMPLE LOCATION.

VARNISH PT  
 UNDERCOATING PT  
 PAINT PIT  
 POWER TEST BAY  
 SHIPPING BAY  
 RESILATION ROOM  
 OFFICES

Prepared for:  
**BorgWarner Inc.**  
 PO Box 1023  
 Black Mountain, NC 28711  
 228.669.3929 528.669.5289

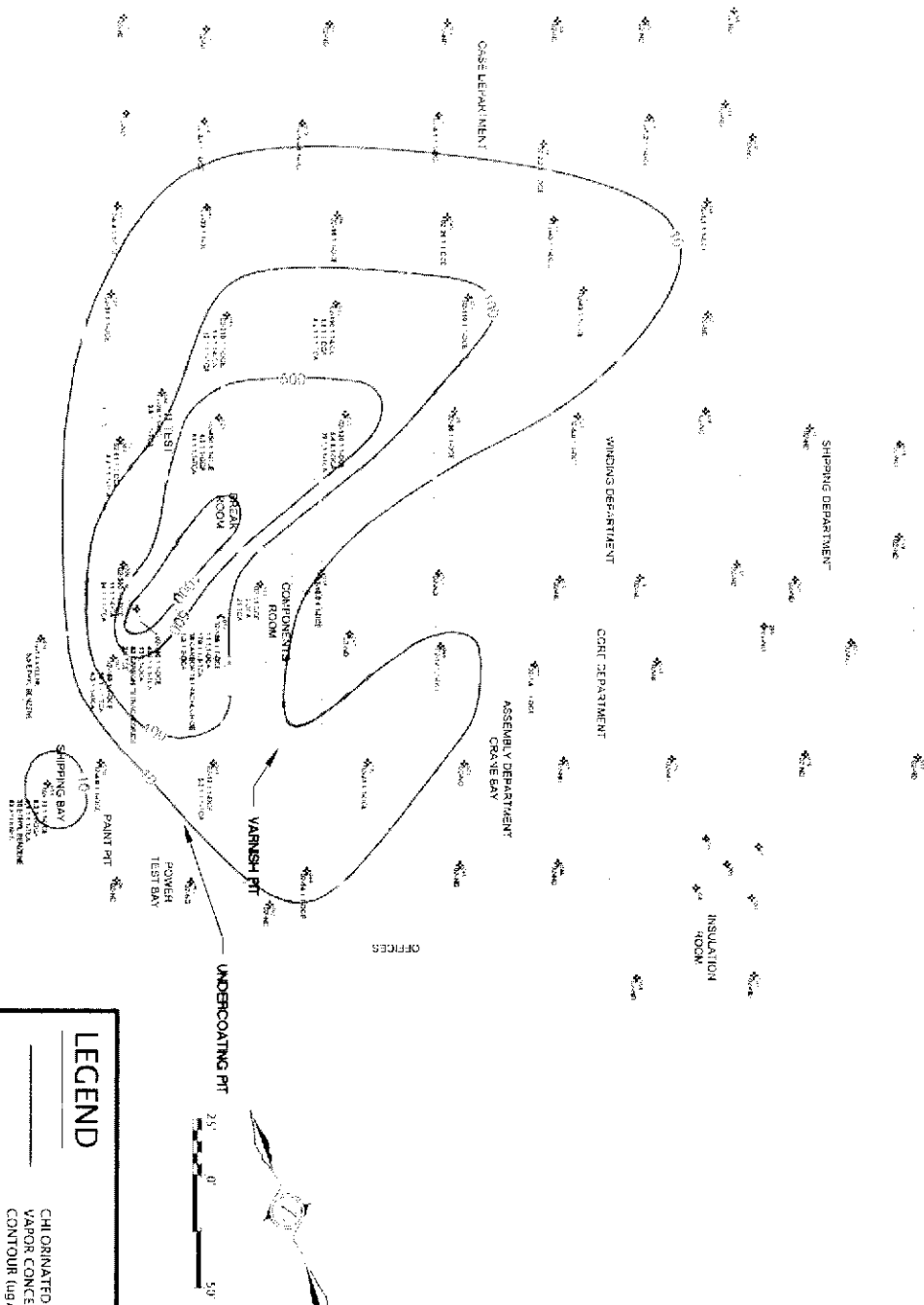
SCALE: 1" = 50'  
 DR: DGR  
 CHK: RLM  
 REV: 0  
 DATE: 11/24/09

1	
2	
3	
4	

SOURCE AREA  
 SHALLOW SOIL VAPOR SAMPLE  
 LOCATIONS AND CHLORINATED  
 SOIL VAPOR PLUME MAP  
 1.5 FEET - 9.5 FEET DEEP  
 INDIAN ELECTRIC CORPORATION  
 CRYSTAL SPRINGS, NC

**3A**  
 FIGURE

# FLOOR PLAN - KEC PLANT



**LEGEND**

CHLORINATED VOC SOIL VAPOR CONCENTRATIONS CONTOUR (ug/l)

DEEP SOIL VAPOR LOCATIONS AND CONCENTRATIONS (ug/l)

NOTE: CONTOURS ARE BASED ON THE 10% CHLORINATED VOC VAPOR CONCENTRATION IN EACH SAMPLE LOCATION.

Prepared for:  
**BorgWarner Inc.**

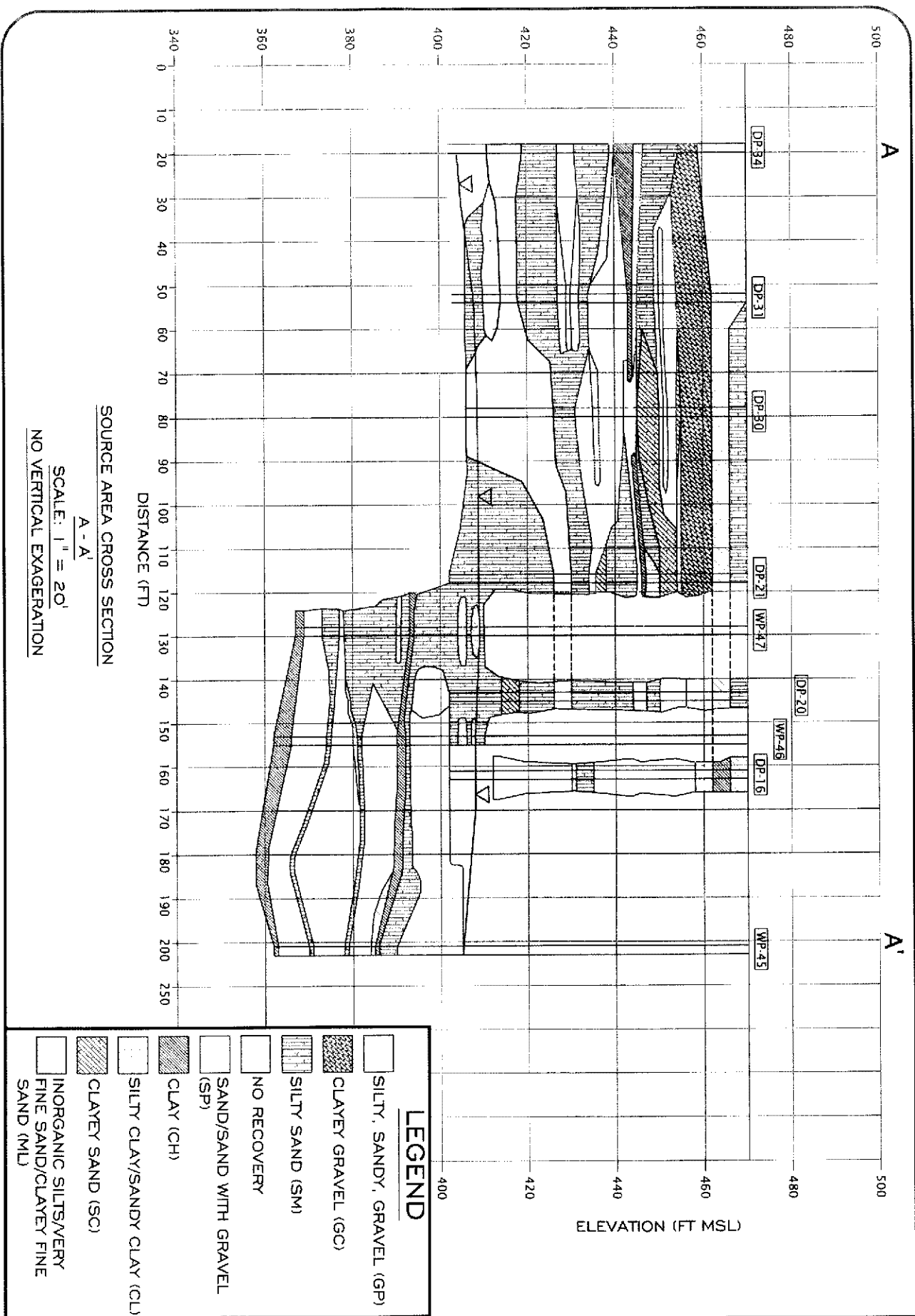
MARTIN SLAGLE  
FU Box 1023  
Black Mountain NC 28711  
828.669.3929 828.669.5289

1	SCALE 1" = 50'
2	DR: DGR
3	CHK:RLM
4	REV: 0
	DATE: 11/24/09

SOURCE AREA DEEP SOIL VAPOR SAMPLE LOCATIONS AND CHLORINATED SOIL VAPOR PLUME MAP 6 FEET - 12 FEET DEEP

KJH&M ENGINEERING CORPORATION  
1001 WEST SPRING, WY

**3B**  
FIGURE



SOURCE AREA CROSS SECTION  
 A - A'  
 SCALE: 1" = 20'  
 NO VERTICAL EXAGGERATION

LEGEND	
[Pattern: Diagonal lines /]	SILTY, SANDY, GRAVEL (GP)
[Pattern: Stippled]	CLAYEY GRAVEL (GC)
[Pattern: Horizontal lines]	SILTY SAND (SM)
[Pattern: No fill]	NO RECOVERY
[Pattern: Diagonal lines \]	SAND/SAND WITH GRAVEL (SP)
[Pattern: Dotted]	CLAY (CH)
[Pattern: Horizontal dashed lines]	SILTY CLAY/SANDY CLAY (CL)
[Pattern: Vertical lines]	CLAYEY SAND (SC)
[Pattern: No fill]	INORGANIC SILTS/VERY FINE SAND/CLAYEY FINE SAND (ML)

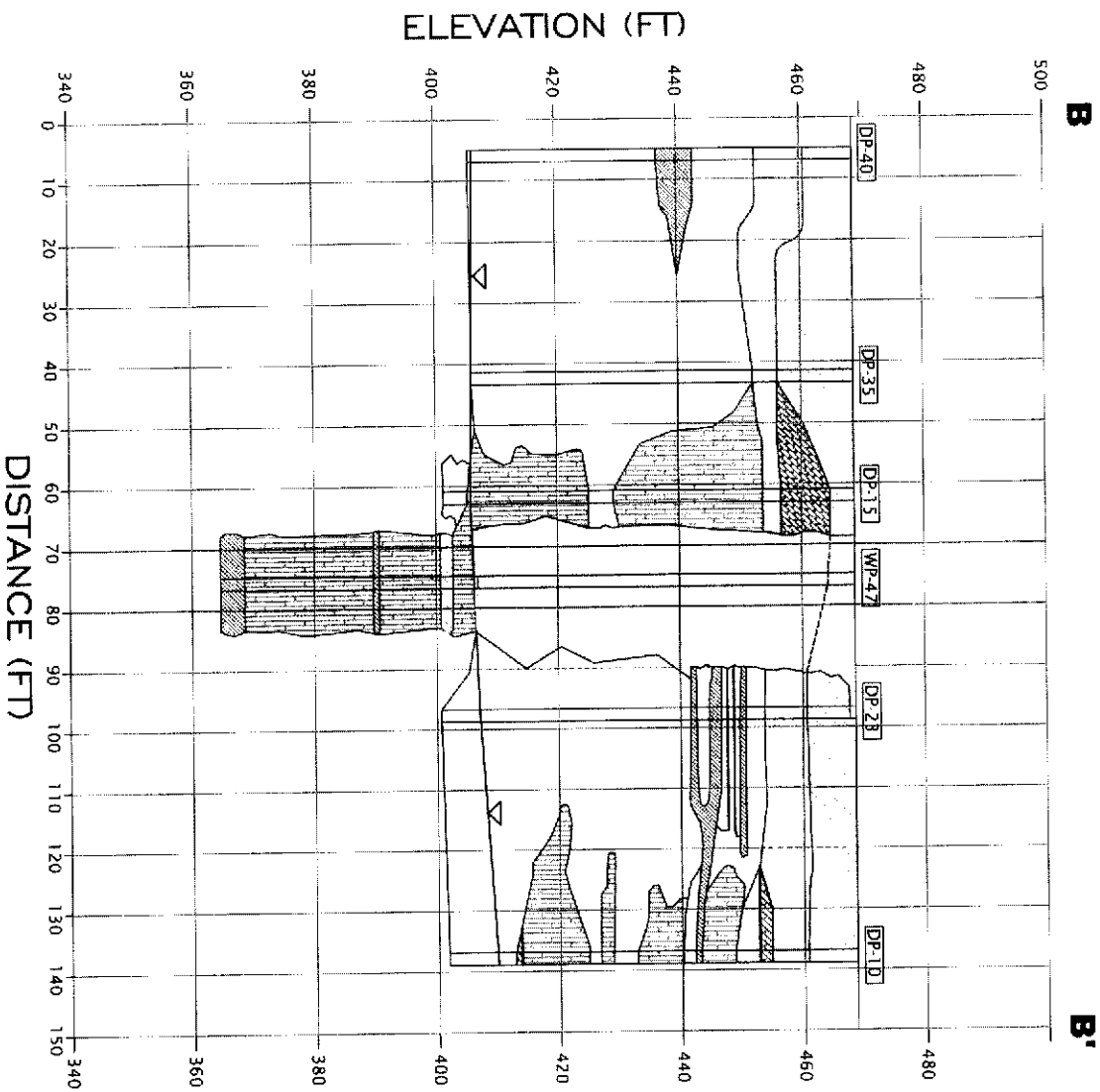
GeoEnvironmental Associates, LLC  
**MARTIN SIAGLE**  
 PO Box 1023  
 Black Mountain NC 28711  
 828.669.3429 828.669.5289

PREPARED FOR  
**BorgWarner Inc.**  
 PATI- NAME: GROUNDWATER ASSESSMENT REPORT  
 6-20-0911C.DWG

1	SCALE VARIES
2	DR: DOR
3	CHK: RLM
4	REV: 1
	DATE: 11/24/2009

SOURCE AREA  
 GEOLOGIC CROSS-SECTION  
 A-A'  
 KUPJIAN ELECTRIC CORPORATION  
 CRYSTAL SPRINGS, NC

**6**  
 FIGURE



**SOURCE AREA GEOLOGIC  
CROSS-SECTION**

**B - B'**

**HORIZONTAL SCALE: 1" = 20'**  
**VERTICAL SCALE: 1" = 20'**

LEGEND	
	SILTY, SANDY, GRAVEL (GP)
	CLAYEY GRAVEL (GC)
	SILTY SAND (SM)
	NO RECOVERY
	SAND/SAND WITH GRAVEL (SP)
	CLAY (CH)
	SILTY CLAY/SANDY CLAY (CL)
	CLAYEY SAND (SC)
	BORING ID AND ELEVATION (ft msl)

Geo-Environmental  
Associates, LLC  
**MARTIN SLAGLE**  
PO Box 1023  
Black Mountain, NC 28711  
828.669.3929 828.669.5289

PREPARED FOR:  
**BorgWarner Inc.**  
PROJECT NAME: GROUNDWATER ASSESSMENT  
4-20-09-915.DWG

1	SCALE 1"=20'
2	DR DGR
3	CHK. RLM
4	REV: 1
	DATE: 1/18/2009

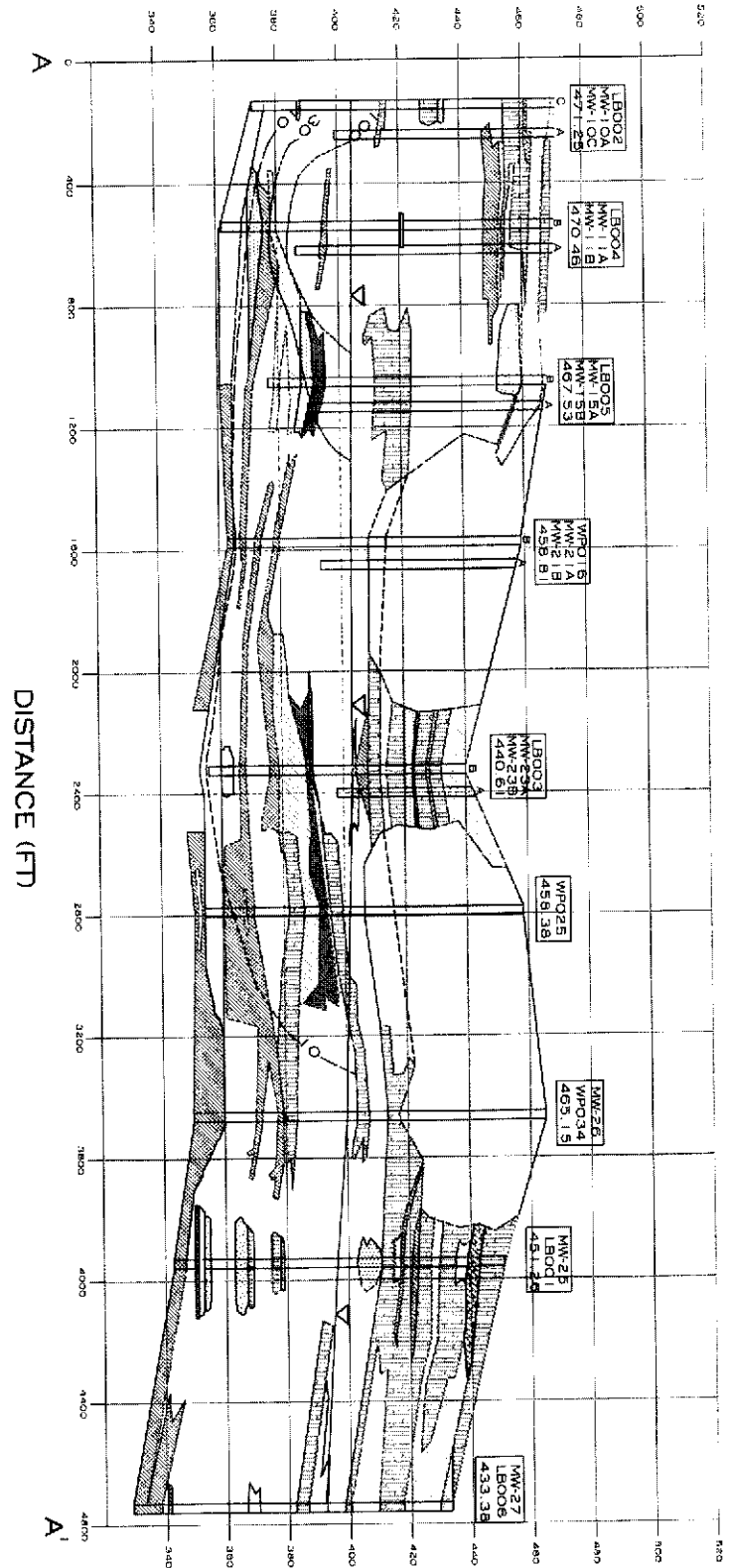
SOURCE AREA  
GEOLOGIC CROSS-SECTION  
B-B'

© HANSEN PRACTICE CORPORATION  
CRYSTAL SPRINGS, MS

**7**  
FIGURE



ELEVATION (FT MSL)



STUDY AREA  
GEOLOGIC CROSS-SECTIONS  
A - A  
SCALE: 1" = 400' HORIZONTAL  
1" = 40' VERTICAL

**LEGEND**

	TOTAL VOCs (UG/L) MARCH 2009		BORING ID AND ELEVATION (FT MSL)
	SILTY SAND (SM)		SAND/SAND WITH GRAVEL (SP)
	NO RECOVERY		CLAY (CH)
	SILTY CLAY/SANDY CLAY (CL)		CLAYEY GRAVEL (GC)
			WELL GRADED SAND (SW)
			CLAYEY SAND (SC)
			INORGANIC SILTS/ VERY FINE SAND/CLAYEY FINE SAND (ML)

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

PREPARED FOR:  
**BorgWarner Inc.**  
PATH NAME: CROUNDMATHR ASSESSMENT REPORT  
4.20.09.116.DWG

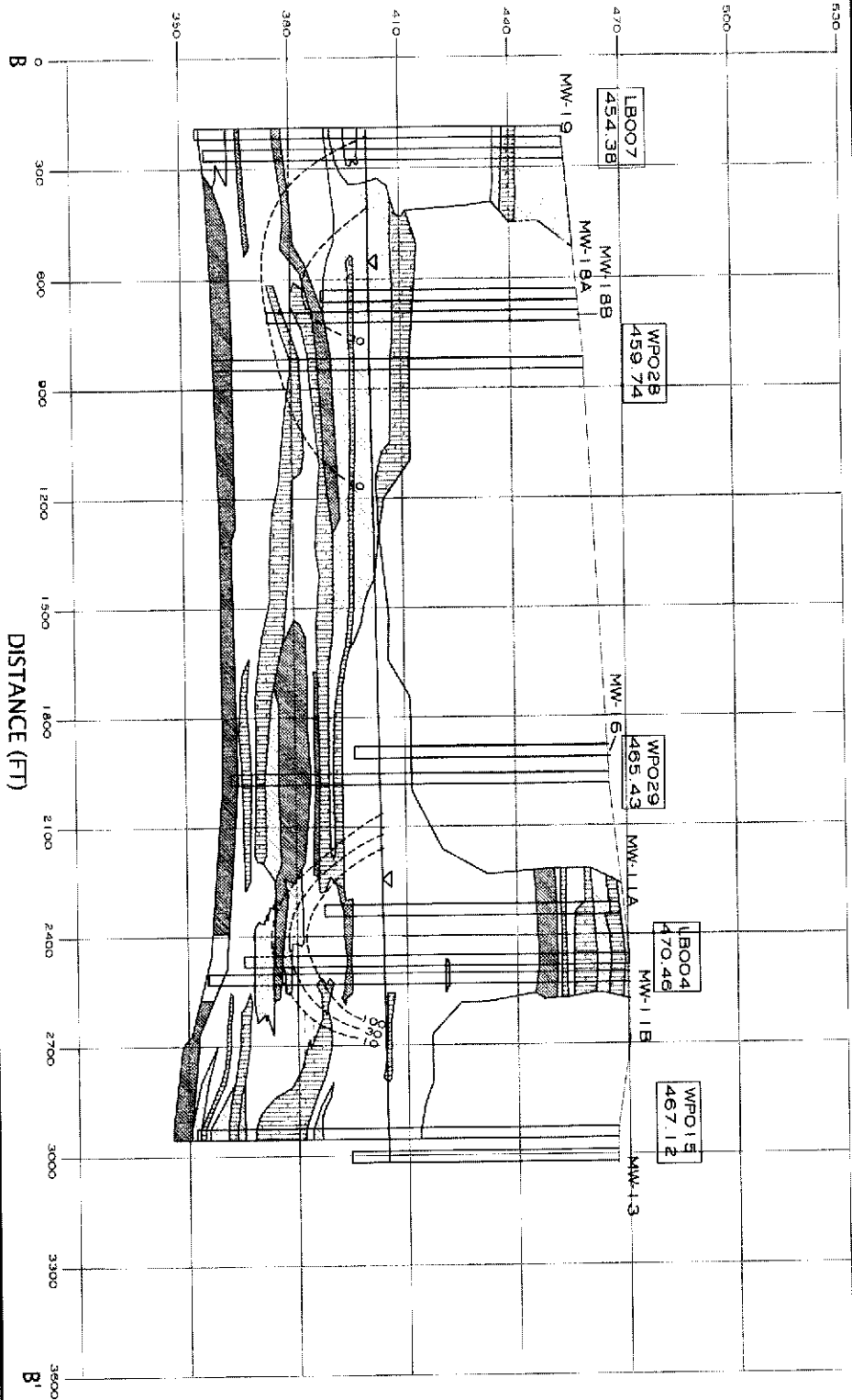
1
2
3
4

SCALE VARIES  
DR: DGR  
CHK: RLM  
REV: 0  
DATE: 4/12/2008

STUDY AREA  
GEOLOGIC  
CROSS-SECTION A-A  
SUDHEAN ELECTRIC CORPORATION  
CRYSTAL SPRING, MS

**8**  
FIGURE

ELEVATION (FT MSL)



STUDY AREA  
GEOLOGIC CROSS-SECTIONS  
W/VOC PLUME  
B - B'

SCALE: 1" = 300' HORIZONTAL  
1" = 30' VERTICAL

**LEGEND**

	CONCENTRATION CONTOUR ug/L		GROUNDWATER ELEVATION FEBRUARY 2009
	SILTY SAND (SM)		SAND/SAND WITH GRAVEL (SP)
	NO RECOVERY		CLAY (CH)
	SILTY CLAY/SANDY CLAY (CL)		BORING ID AND ELEVATION (FT MSL)
			SILTY SANDY, GRAVEL (GP)
			WELL GRADED SAND (SW)

WPO15 467.12

Prepared for:  
**BorgWarner Inc.**

**MARTIN SLAGLE**  
PO Box 1023  
Black Mountain NC 28711  
828.669.3929 828.669.5289

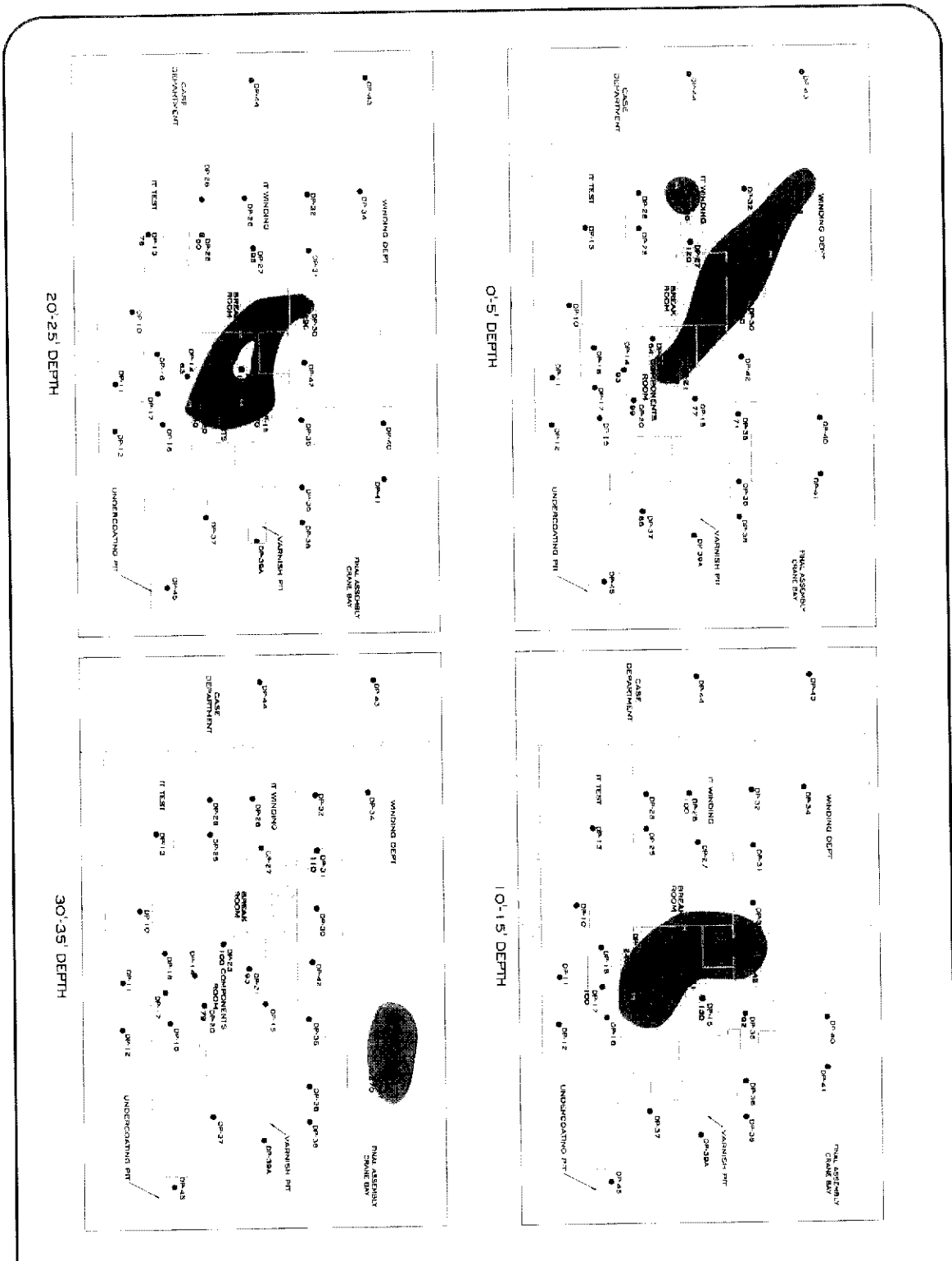
SCALE VARIES  
DR: DGR  
CHK: RLM  
REV: 1  
DATE: 11/24/2008

1	
2	
3	
4	

STUDY AREA  
GEOLOGIC CROSS-SECTION B-B'  
WITH TOTAL VOC  
CONCENTRATIONS (UG/L)

KUBI MAN ELECTRIC CORPORATION  
CRYSTAL SPRINGS, MS

**6**  
FIGURE



**LEGEND**

ORIENT PLOT: SAMPLE LOCATION  
w/ 1,1-DCE CONCENTRATION IN  
µg/g

DP-21  
DP-22  
DP-23

**1,1-DICHLOROETHENE  
CONCENTRATION GRADIENTS**

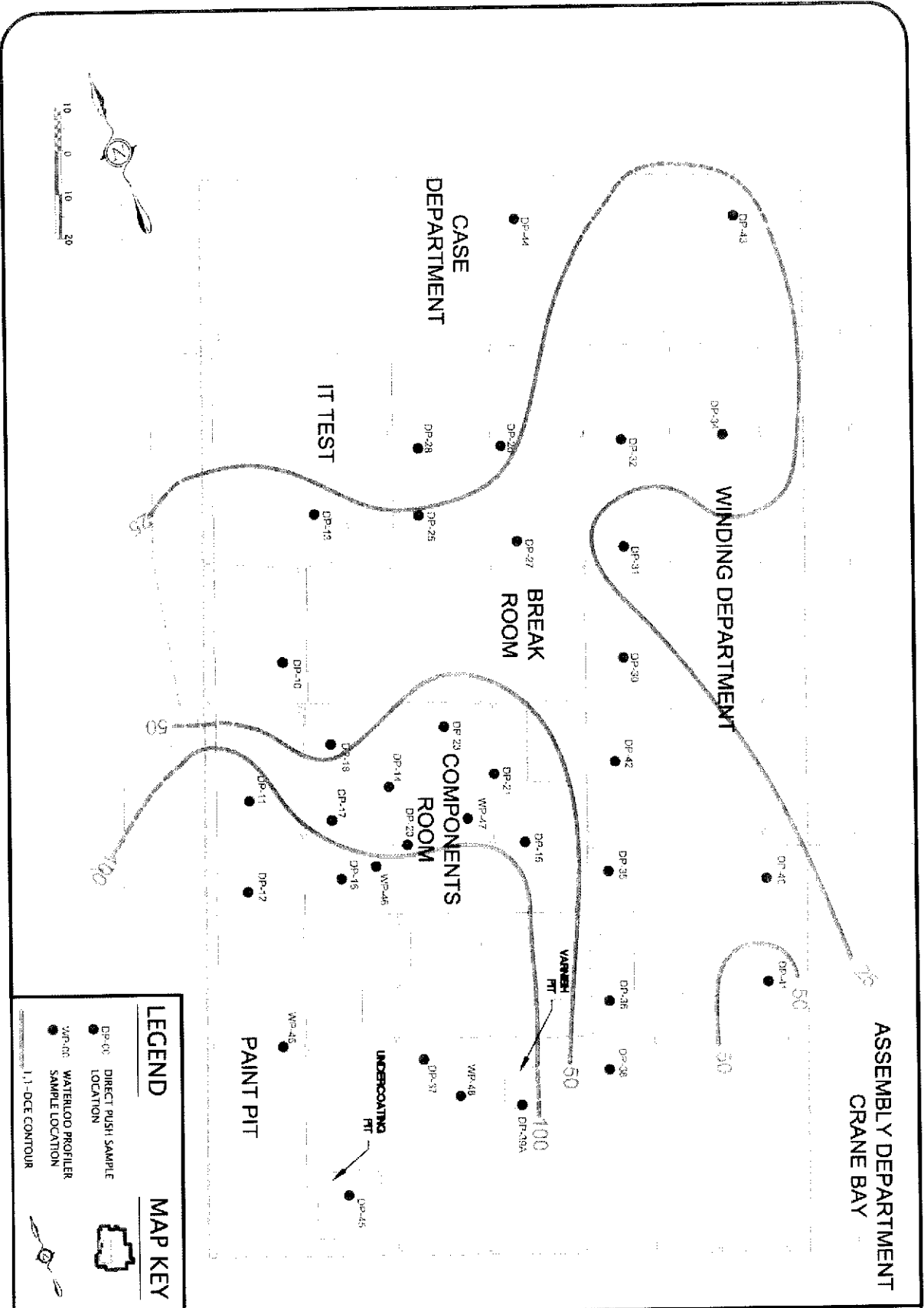
200 + µg/g

100 - 200 µg/g

< 50 - 100 µg/g

LABORATORY ANALYTICAL LIMIT - 50 µg/g (90  
µg/g)

**KEY**



<b>LEGEND</b>	<b>MAP KEY</b>
● DP-01 DIRECT PUSH SAMPLE LOCATION	
● WP-01 WATERLOO PROFILER SAMPLE LOCATION	
--- 1,1-DCE CONTOUR	

GeoEnvironmental Associates, LLC  
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PREPARED FOR:  
**BorgWarner Inc**

PATH NAME: GROUNDWATER ASSESSMENT REPORT  
 4/29/09 SOURCE DCE OF COWLING

1		SCALE 1"=20'
2		DR: DGR
3		CHK:RLM
4		REV: 1
		DATE: 11/24/2009

**SOURCE AREA**  
 1,1-DCE PLUME IN  
 GROUNDWATER (2008)

KUNHAM ELECTRIC CORPORATION  
 CRYSTAL SPRINGS, MS

**14**  
 FIGURE



**LEGEND**

1,1 - DCE  
CONCENTRATION  
CONTOUR (ug/l)

WATERLOO PROFILER  
SAMPLE LOCATION



GeoEnvironmental  
Associates, LLC **MARTIN SLAGLE**  
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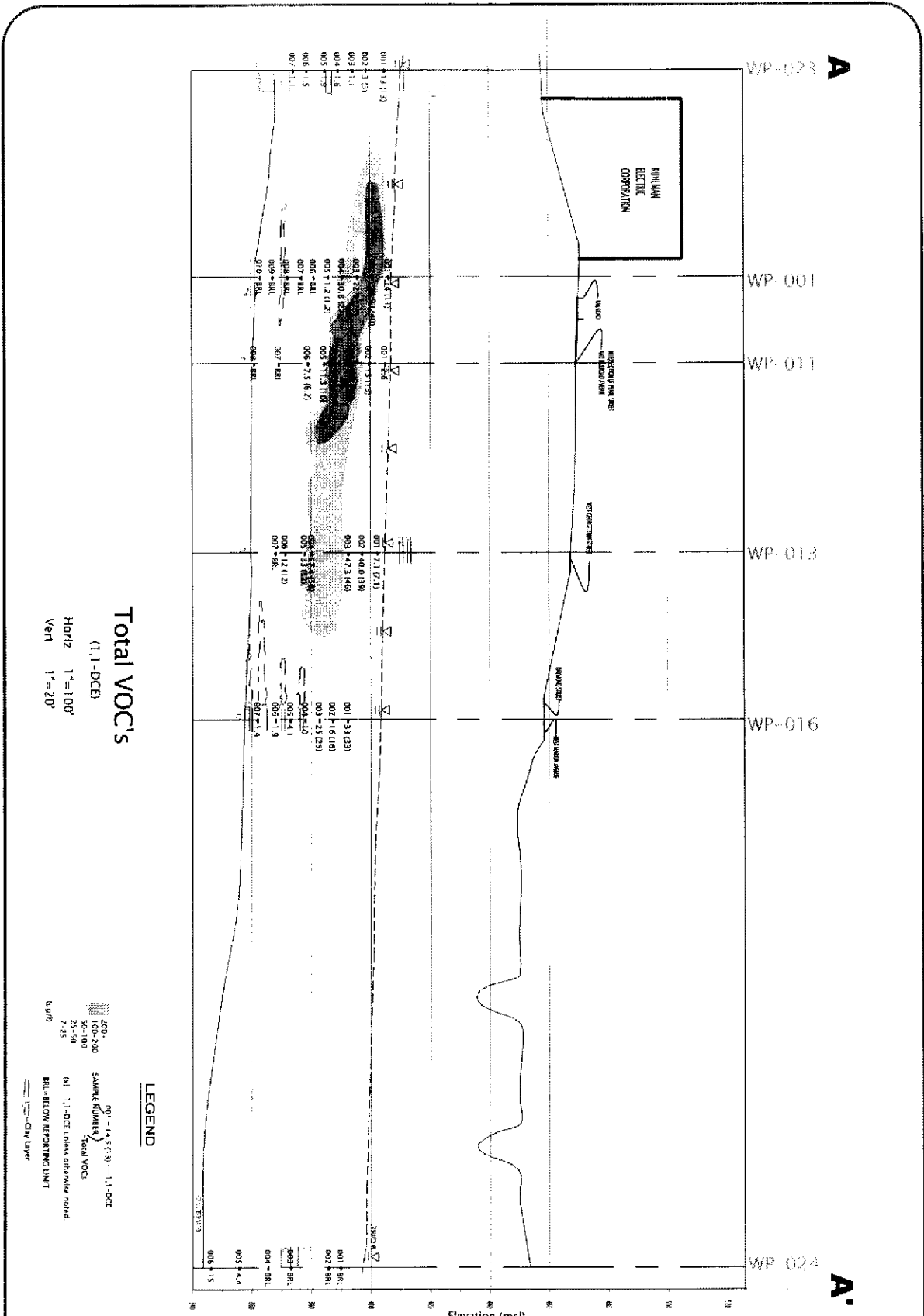
PREPARED FOR:  
**BorgWarner Inc**  
DRAWING NAME:  
GROUNDWATER ASSESSMENT  
4-20-2006/V16.DWG

SOURCES:  
2005 AERIAL PHOTOGRAPHY  
COPIAH COUNTY, MS TAX ASSESSOR

WATERLOO PROFILER  
PLUME MAP - 1,1-DCE  
PLUME 2005  
CROSS-SECTION  
INTERSECTS  
KUHLMAN ELECTRIC CORPORATION  
101 KUHLMAN DRIVE  
CRYSTAL SPRINGS, MS

SCALE 1"=400'  
DR: DGR  
CHK: SML  
REV: 1  
DATE: 11/24/09

**16**  
FIGURE



**Total VOC's**  
 (1:1-DCE)  
 Horiz 1"=100'  
 Vert 1"=20'

**LEGEND**  
 (0) - 14.5 (13) - 1:1-DCE  
 SAMPLE NUMBER  
 Total VOCs  
 (N) 1:1-DCE unless otherwise noted  
 BBL-BLOW REPORTING LIMIT  
 CHL-CHL Layer

GeEnvironmental  
 Associates, LLC  
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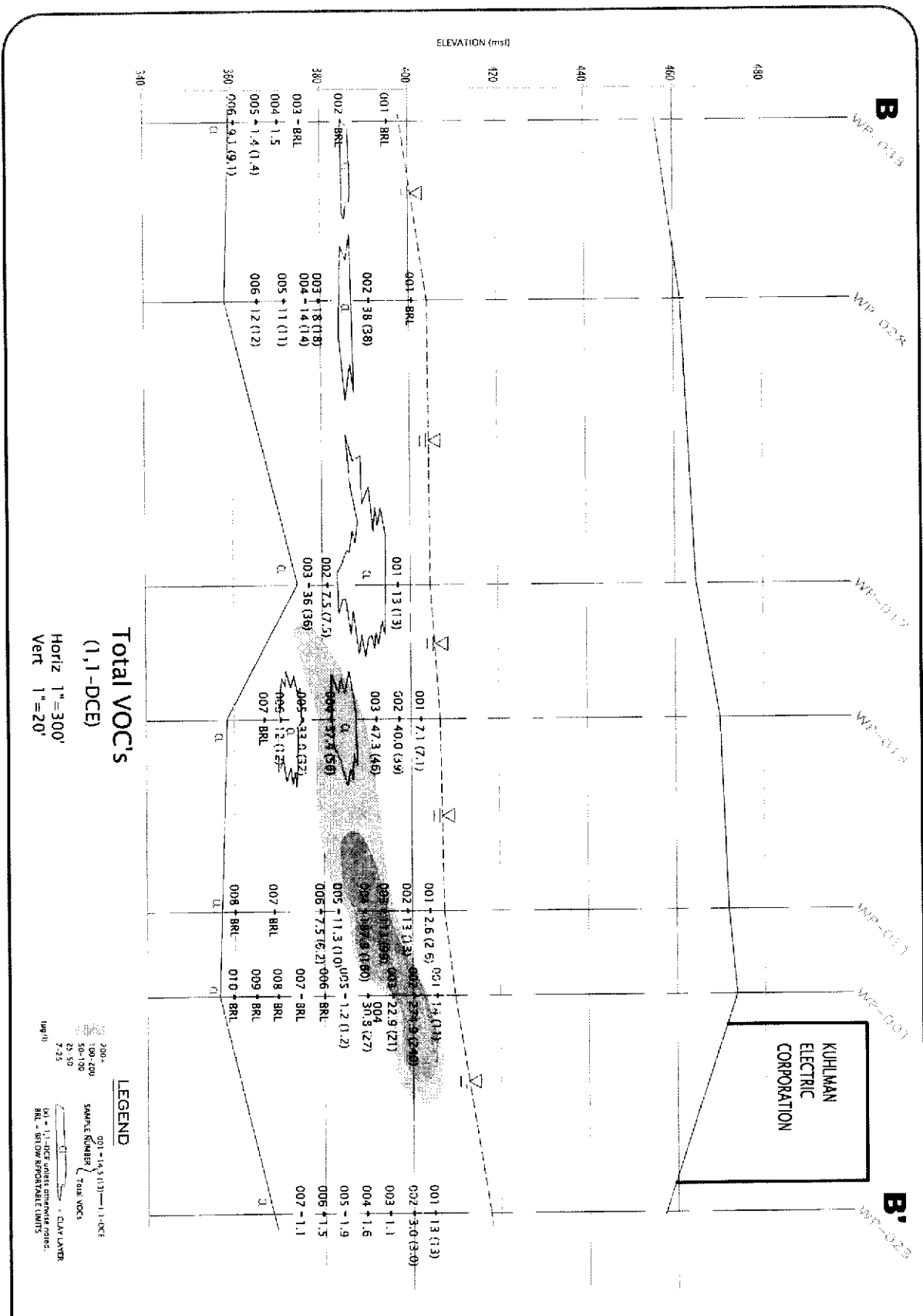
PREPARED FOR  
**BorgWarner Inc.**  
 PATH NAME: GROUNDWATER ASSESSMENT REPORT/1/1  
 REV: DMG

1	
2	
3	
4	

SCALE: AS NOTED  
 DR: DGR  
 CHK:RLM  
 REV: 1  
 DATE: 11/24/09

STUDY AREA  
**WATERLOO PROFILE  
 CROSS-SECTION A-A'**  
 2005  
 KULMAN ELECTRIC CORPORATION  
 CRYSTAL SPRINGS, MS

**17**  
 FIGURE



GeoEnvironmental Associates LLC  
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 Black Mountain NC 28711  
 828.669.3929 828.669.5289

PREPARED FOR:  
**BORGWARNER INC.**

PATH NAME: CROHNSWATER ASSESSMENT  
 REPORT 11/8/06

1	SCALE: AS NOTED
2	DR: DGR
3	CHK: RLM
4	REV: I
	DATE: 11/24/06

STUDY AREA  
 WATERLOO PROFILE  
 CROSS-SECTION B-B'  
 2005

KUHLMAN ELECTRIC CORPORATION  
 CRYSTAL SPRING, MS

**18**  
 FIGURE



GeoEnvironmental  
 Associates, LLC  
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 828.669.1929 828.669.5269

PREPARED FOR:  
**BorgWarner Inc.**  
 PATH NAME:  
 GROUNDWATER ASSESSMENT RP1  
 4-70-09 F18 REV1.DWG

SOURCES:  
 2005 AERIAL PHOTOGRAPHY  
 COPIAH COUNTY, MS TAX ASSESSOR

STUDY AREA  
 PLUME MAP  
 1,1-DICHLOROETHENE  
 MARCH 2009  
 KUHLMAN ELECTRIC CORPORATION  
 101 KUHLMAN DRIVE  
 CRYSTAL SPRINGS, MS

SCALE 1"=400'  
 DR: DGR  
 CHK: RLM  
 REV: 1  
 DATE: 11/24/09

**19**  
**FIGURE**