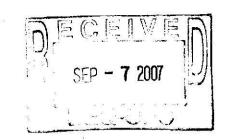
Groundwater Interim Progress Report

Kuhlman Electric Corporation Crystal Springs, Mississippi

Prepared for

BorgWarner Inc.

September 2007



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FILE COPY

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Prepared by

MARTIN AND SLAGLE GEOENVIRONMENTAL ASSOCIATES, L.L.C.

September 2007



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1.0 INTRODUCTION

1.1 Background

Kuhlman Electric Corporation (KEC) owns and operates a transformer manufacturing plant in Crystal Springs, Mississippi (Figure 1). The KEC plant in Crystal Springs, Mississippi was constructed and has been owned and operated as a transformer manufacturing plant since the 1950s. On April 19, 2000, the Mississippi Department of Environmental Quality (MDEQ) received notification from KEC that areas of contaminated soil had been found at the plant site.

Environmental assessments conducted at the KEC Plant site indicated the presence of soil contaminated with polychlorinated biphenyls, and various chlorinated benzenes. BorgWarner, on behalf of KEC, engaged an environmental consultant to prepare a groundwater assessment work plan. The groundwater assessment plan was prepared in response to Mississippi Commission on Environmental Quality Order No. 4449-02, issued to KEC on July 23, 2002.

The preliminary groundwater assessment was conducted in March and April 2004 to determine if groundwater beneath the plant site was impacted by chemical constituents previously detected in site soils. During the preliminary groundwater assessment, eight permanent monitoring wells were installed on the KEC property in areas that contained the highest concentrations of PCBs as identified during the plant site soil assessment. During the installation of the monitoring wells, soil, perched groundwater, and groundwater from the uppermost aquifer were sampled and analyzed for the presence of PCBs, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Chlorinated and non-chlorinated organic compounds were detected in groundwater samples collected during the preliminary groundwater assessment. The source of these detected compounds was

After MDEQ's review of the preliminary groundwater assessment report, a Comprehensive Groundwater Assessment Work Plan was prepared and submitted to MDEQ for review and approval. In a letter dated September 22, 2006, MDEQ approved the Work Plan.

1.2 Site Description

The Kuhlman plant is located at 101 Kuhlman Drive, Crystal Springs, Copiah County, MS 39059, at latitude N 31° 15′ 20″ and longitude W 90° 21′ 20″. The plant site is located within the town limits of Crystal Springs. The town center is located approximately 0.25 miles south of the plant (Figure 1). The Kuhlman property is bordered to the south by commercial businesses and residences located across Lee Street, and to the west by a railroad line and residences. Across Fulgham Avenue to the northwest is a vacant lot formerly occupied by an icehouse and to the northeast are private residences. East of the plant and abutting the property are residences and a funeral home. The residences are all single-family dwellings with individual yards. The single-family dwellings extend for several blocks in all directions except north. A church and a public swimming pool are located within two blocks of the site to the east. The predominant land uses in the surrounding area are commercial, former industrial, institutional, and residential.

The KEC property consists of a manufacturing plant building situated on about 15 acres of land. This site has been used for industrial manufacturing purposes since the mid-1950s. The future use of the property is anticipated to remain industrial.

1.3 Scope of Report

This Interim Progress Report provides an update to MDEQ on the following work in progress at and around the Kuhlman Electric Corporation plant:

- Sampling and analysis of groundwater from City of Crystal Springs municipal water supply wells and municipal supply line over the past two years;
- Installation of 28 monitoring wells during the months of June and July 2007 on the plant property and within the City of Crystal Springs and
- Sampling and analysis of groundwater samples during July and August 2007 from 38 monitoring wells located on the plant property and southwest of the plant site within the boundary of the City of Crystal Springs.

2.0 MUNICIPAL WELL MONITORING

Groundwater samples collected from monitoring wells on the KEC plant property in 2004 indicated that 1,1-dichloroethene (1,1-DCE) was present at concentrations above the MDEQ Target Remedial Goal (TRG) of 7.0 µg/l. Periodic sampling and analysis of groundwater from municipal wells owned and operated by the City of Crystal Springs began in September 2004. Initially, six of a total of eight wells were monitored. The initial sampling included five municipal wells that are located approximately 2,400 feet southwest and downgradient of the KEC plant property, and the well located at the corner of Jackson Street and Lee Avenue, approximately 300 feet southeast of the plant property. The municipal well locations are shown on Figure 2.

The initial municipal well sampling results indicated that 1,1-DCE was present at a concentration of 3.2 μ g/l in Crystal Springs Well No.7, approximately one-half of the TRG value. Fourteen months later, in November 2005, 1,1-DCE was detected at a concentration of 9.7 μ g/l, slightly above the TRG in Well No. 7. A second sampling of the well two days later confirmed the previous concentration. Following receipt of the confirmation sample result, Well No. 7 was taken out of service and has remained so since then. The municipal water supply line, immediately downstream of the City's water treatment facility, has also been included in the periodic sampling since September 2004. No contaminants have been detected in any of the samples from the municipal supply line.

Since January 2007, the municipal water supply wells and the municipal supply line have been sampled monthly. Sampling results for the municipal wells and municipal supply line are presented in Table 1.

3.0 MONITORING WELLS

During the preliminary groundwater assessment conducted in 2004, eight permanent monitoring wells (MW-1 through MW-8) were installed on the KEC property. The results of sampling, analysis and evaluation of the assessment data are included in the *Preliminary Groundwater Assessment Report, July 2004*.

In March 2005, well MW-1 was permanently closed as the result of the KEC building expansion. During the same month, MW-9 was installed near the southwest KEC property line.

In July 2007, four additional permanent monitoring wells (MW-10A, MW-10B, MW-10C, AND MW-13) were installed on the KEC property.

Three sampling events have been conducted at the on-site wells since the initial sampling in 2004. A summary of VOC concentrations detected in samples from the on-site monitoring wells is presented in Table 2. Table 3 is a summary of analytical results for chlorinated benzene compounds detected in groundwater samples collected from the on-site wells.

Beginning with the September 2006 sampling event, 1,4-dioxane was added to the analyte list.

Monitoring results from the on-site monitoring wells and the municipal water supply wells indicated that 1,1-DCE had migrated off-site from the KEC property. A door-to-door private well survey was conducted and is ongoing. No private wells were identified except for two cisterns that are not in use and are inaccessible. The groundwater assessment was expanded beyond the plant property boundary with the installation of a system of monitoring wells south and west of the KEC plant property within the City of Crystal Springs in June and July 2007. The system consists of 28 monitoring wells,

3-1

which were installed in auger borings. One three-well cluster is located immediately downgradient of the southwest corner of the KEC plant building. A total of eight two-well clusters are situated at various locations downgradient of the KEC plant property. One well was added at MW 14 to form a well cluster at that location. The location of MW 25 was shifted to West Rail Road Avenue due to access issues. The remaining nine wells are single monitoring wells.

All wells are constructed of 2-inch diameter schedule 40 PVC threaded casing, and a PVC manufactured 0.010 inch slotted screen of either 5 feet or 10 feet length. All wells are Type 2 wells, with three of the deep wells having surface casings set to exclude impacted groundwater from the deeper zones within the upper aquifer. Table 4 shows details of the monitoring well construction. The monitoring well locations and plume outlines are shown on Figures 3 and 4. Geologic cross sections are shown on Figures 5 and 6. Monitoring well completion records are included in Appendix 1.

Following construction of the new monitoring wells, all wells were developed by surging the well screen interval in each well with a disposable bailer to remove fines from the sand pack filter, followed by pumping water and fines from the well using a Grundfos Redi-Flo 2 submersible pump.

Upon completion of proper well development, each well (with the exception of MW-5) was equipped with a dedicated Geotech™ GEO1.66PVC18 bladder pump with a single Geocontrol Pro controller for all pumps. Each pump string was assembled in the field and the pump intake set within the screened interval of each well. The discharge tubing for all wells is Teflon-lined PVC. Pump setting elevations for each monitoring well are included in Table 4. Because of the shallow depth to groundwater in well MW-5, a bladder pump could not be used. Well MW-5 instead was developed and sampled using a four-foot disposable Teflon bailer.

Before sampling, water levels in each well were allowed to equilibrate, and water levels were measured using a QED Sample Pro® 6000 Series water level meter. Water levels were measured using the top of well casing as the reference point. Table 4 shows well elevation data and water level data for each well.

All wells were sampled using a low-flow sampling technique as described in the USEPA Region 4 Environmental Investigations, Standard Operating Procedures and Quality Assurance Manual, November 2001 (USEPA Region 4 EISOPQAM (2001)) and "Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", USEPA Region 1 (July 1996). During initial purging of the wells, water levels and water quality field parameters were measured. Water levels were monitored to confirm minimum drawdown during purging. The water quality field parameters measured during well purging consisted of:

- Temperature
- PH
- Turbidity
- Oxidation Reduction Potential
- Dissolved Oxygen

Water levels and water quality field parameters for each monitoring well were collected until formation water was drawn into the well.

Groundwater samples were collected in preserved 40-ml glass vials with septum caps. Samples were immediately placed on ice in a cooler at 4° C and carried to the on-site laboratory under proper chain-of-custody. Samples were analyzed for VOCs and 1,4-dioxane by EPA Method 8260B.

At least 10% of groundwater samples collected were split and sent to the off-site laboratory for confirmation of the on-site laboratory results.

The sampling of the off-site monitoring wells was conducted between July 28, and August 3, 2007. A summary of VOC and 1,4-dioxane analytical results for the off-site monitoring wells is presented in Table 5. No chlorinated benzene compounds were detected in any of the groundwater samples collected from the off-site monitoring wells.

4.0 QUALITY CONTROL SUMMARY REPORT

The on-site and off-site laboratory data for the municipal water supply wells, municipal supply line, and on-site and off-site monitoring wells have been reviewed to ensure that the data are of sufficient quantity and quality to support the data quality objectives previously established in the Comprehensive Groundwater Assessment Plan, October 2004.

As established by the MDEQ guidelines, all work related to the groundwater assessment has been performed in accordance with the USEPA Region 4 EISOPQAM (2001).

The samples were analyzed for VOCs by the on-site laboratory, Environmental Chemistry Consulting Services (ECCS) of Madison, Wisconsin using EPA Method 8260B. The procedure incorporates all the quality control rigors of the full 8260B method, including quantification based on 6-point calibration with continuing calibration verification, surrogate method performance monitoring, method blanks, and matrix spike/matrix spike duplicate (MS/MSD) samples. The reporting limit established for water analysis by the on-site laboratory is $1.0~\mu g/L$ for VOCs. This reporting limit is below the established TRGs except for trans-1,3-dichloropropene, which has a TRG of $0.0842~\mu g/L$.

In September 2006, 1,4-dioxane was added to the analyte list. ECCS filters the sample and surrogate solution through an activated carbon disk then the sample extracted with acetone and analyzed by direct inject GC/MSD/SIM.

At least 10% of the samples were split and sent off site to SGS Paradigm Analytical Laboratories in Wilmington, North Carolina for analysis of the same parameters as the on-site laboratory to verify the on-site laboratory results. The off-site laboratory analyzed the samples using EPA method 8260B for VOCs. The off-site laboratory extracted base/neutral analytes by method 3510 and analyzed the extract by Method 8270C using SIM for the analysis of 1,4-dioxane.

4-1

The criteria upon which the data have been reviewed include:

- Holding Times
- Method Blanks
- Laboratory Control Samples
- Matrix Spike/Matrix Spike Duplicates
- Surrogate Recoveries
- Blind Duplicate Analysis
- Blanks
- Split Sample Analysis

4.1 Laboratory Data Review

The laboratory reports were reviewed for reporting accuracy and consistency with laboratory QA/QC protocols. Confirmation of the on-site laboratory results was accomplished through the comparison of the on-site laboratory data with the data from the off-site laboratory.

4.1.1 Holding Times

Water samples designated for VOC analysis by the on-site laboratory were collected in 40-ml vials without preservative. The samples were placed on ice at the time of collection and were analyzed by the on-site laboratory within seven days of collection. Samples collected and shipped to the off-site laboratory were collected in 40-ml vials containing hydrochloric acid. The samples were placed on ice at the time of collection, shipped on ice, and maintained in the laboratory at 4°C ± 2°C. The maximum holding time for preserved samples is 14 days from sample collection to sample analysis. All water samples collected for VOC analysis were reported by the off-site laboratory to have been analyzed within the appropriate holding time.

Water samples designated for 1,4-dioxane analysis were collected in laboratory provided 1-liter amber jars containing no preservatives. The samples were placed on ice at the time of collection and maintained in the laboratory at $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$. Samples sent to the off-site laboratory were shipped on ice. The maximum holding time is 7 days from sample collection to sample

extraction and 40 days from sample extraction to sample analysis. All water samples collected for 1,4-dioxane analysis were reported by the laboratories to have been extracted and analyzed within the appropriate holding time.

4.1.2 Method Blanks

Method blanks were processed and analyzed by each laboratory for each requested analytical method at a frequency of one per day or one per 20 samples, whichever was greater. Method blank results were reviewed to evaluate the presence of target and non-target compounds in the blanks. The off-site laboratory reported the detection of one compound in one method blank. That compound was not detected in the associated samples. No other contaminants were reported by the laboratories to have been detected in the method blanks.

4.1.3 Laboratory Control Samples

Laboratory control samples (LCS) were analyzed by the off-site laboratory for each method at a minimum frequency of one per 20 samples. Off-site LCS sample results were reviewed to evaluate the performance of the entire analytical system including preparation and analysis. The off-site laboratory met the performance criteria with regards to LCS spike recoveries.

4.1.4 Matrix Spike/ Matrix Spike Duplicates

Matrix spikes (MS) and matrix spike duplicates (MSD) were processed by both laboratories at a minimum frequency of one MS and MSD per 20 samples. The laboratories met the MS/MSD performance criteria, and spike recoveries were reported to be within the control limits with limited exceptions. The off-site laboratory reported several instances of VOCs outside the lower control limits for spike recoveries and several instances of out of limit RPDs between the MS and MSD sample. Other performance criteria were met within the sample groups.

4.1.5 Surrogate Recoveries

Both laboratories generally performed well with regards to surrogate recoveries. Few surrogate recoveries were reported outside the applicable control limits but no indication of performance issues were identified.

4.1.6 Duplicate Analysis

Blind duplicate samples were submitted to the laboratories without indication of the associated sample. The relative percent difference between each sample and its duplicate for analytes detected in any duplicate pair were calculated based on the following equation:

RPD (%) = Absolute value of
$$((C_S - C_D)/C_S + C_D)/2) \times 100$$

Where: C_S = Concentration of the sample

 C_D = Concentration of the duplicate sample

For the purpose of calculating the RPD in a duplicate pair with only one detection, the reporting limit was the input variable for the non-detect analyte. Where both laboratories reported no detections above the reporting limit, even where the reporting limits were different, the duplicate pair was within acceptable control limits.

4.1.7 Blanks

Trip blanks were submitted to the off-site laboratory for analysis of VOCs. Acetone was detected in two of the trip blanks. Acetone was not detected in any of the associated samples and is believed to be a laboratory artifact. Field blanks and rinsate samples were submitted to the on-site laboratory for analysis of VOCs. No target analytes were detected in these samples.

4.1.8 Split Sample Analysis

At least 10% of the samples were split and sent to SGS Paradigm Analytical Laboratories in Wilmington, North Carolina for confirmation. The samples were analyzed by the same or comparable analytical methods for VOCs. A comparison of the analytical results for VOCs indicates that the on-site laboratory is consistently meeting the data quality objectives.

4-4

4.2 Data Usability

4.2.1 Precision – Relative Percent Difference

Each laboratory's reported measurements of precision are acceptable.

4.2.2 Accuracy – Percent Recovery

Discussions of the accuracy of the matrix spike/matrix spike duplicates and laboratory control samples are provided in previous sections of this report. VOC surrogate recoveries were reported to be within control limits for VOC analyses, including the QC data.

4.2.3 Field QA/QC

Field personnel adhered to all procedures outlined in Section 4 of the Comprehensive Groundwater Assessment Plan, October 2004.

4.2.4 Analytical methods

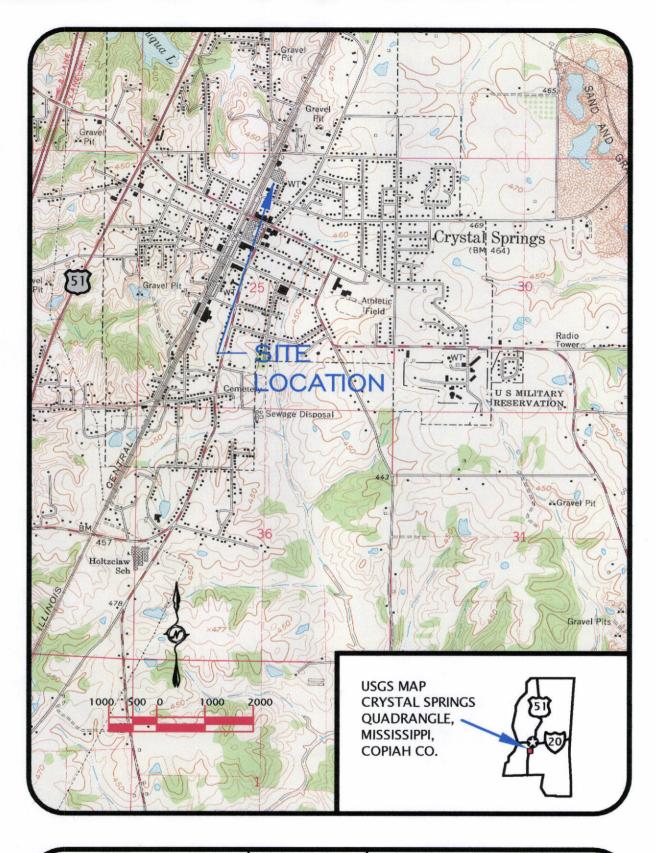
Reported analytical methods were consistent with those specified in the sampling and analysis plan and appropriate for the associated sample matrices.

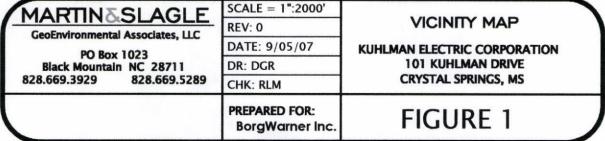
4.3 Completeness

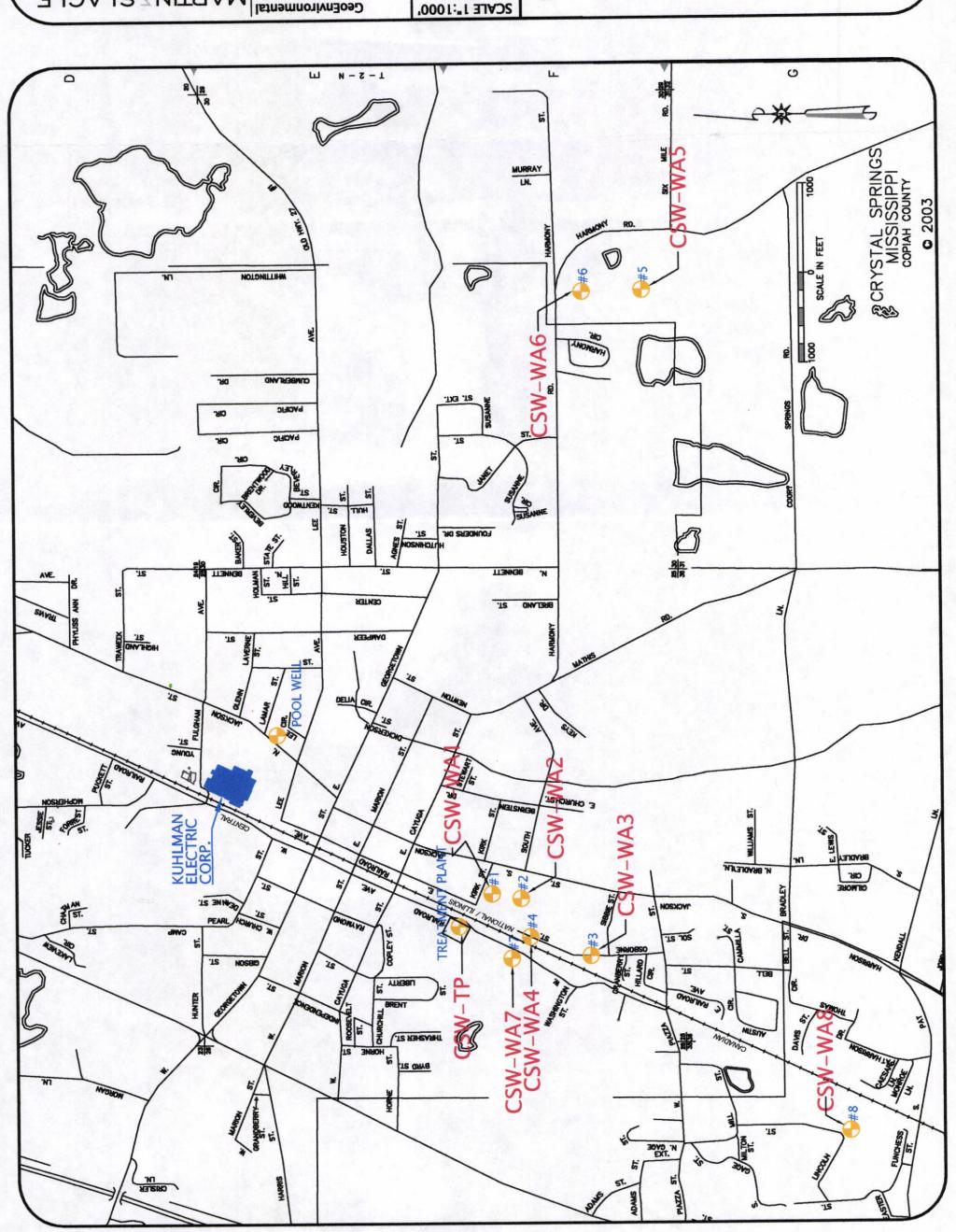
The data are complete and satisfy the data quality objectives for this project. As detailed above, the type and frequency of applicable QC samples were reported to be in accordance with the Comprehensive Groundwater Assessment Plan, October 2004 and other applicable guidance documents. Field QC samples were collected in accordance with the specified criteria.

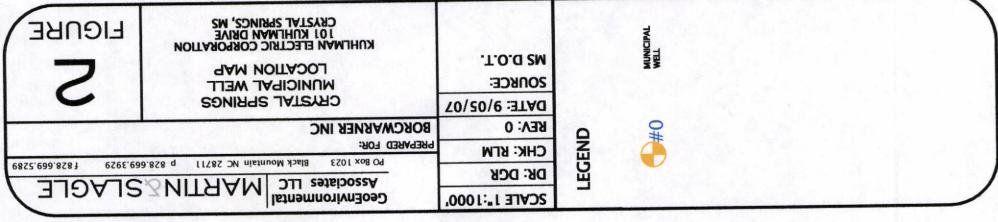
4.4 Comparability

Standard sampling protocols and sample handling protocols were successfully implemented for all samples and matrices. Field and laboratory records were maintained. Standard and appropriate analytical methods were used to analyze all samples. Analytical results were reported in appropriate units.









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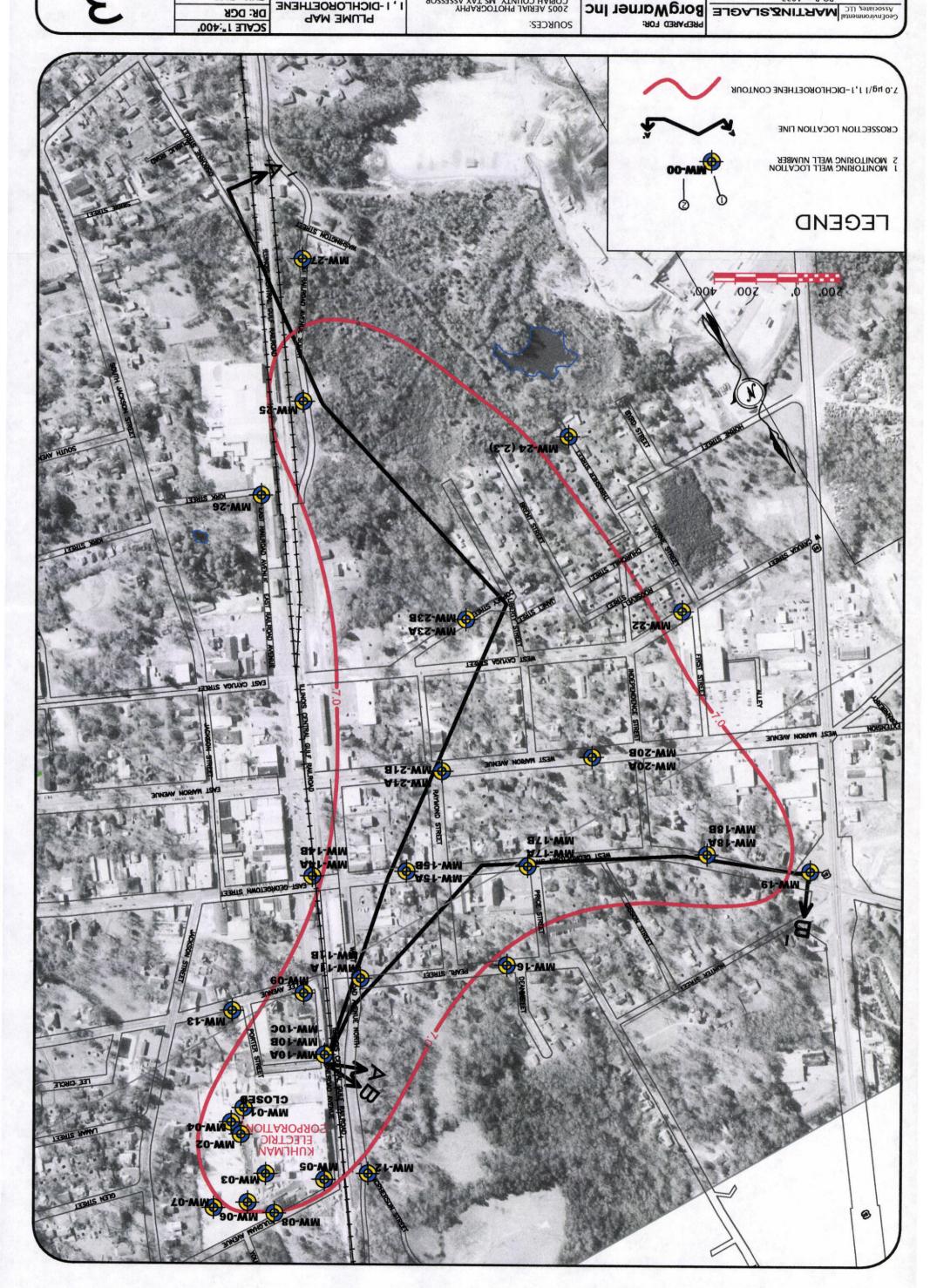
2005 AERIAL PHOTOCRAPHY
COPIAH COUNTY, MS TAX ASSESSOR

KUHLMAN ELECTRIC CORPORATION 101 KUHLMAN DIRIVE CRYSTAL SPRINGS, MS

KEV: 0 I, I-DICHLOROETHENE

DATE: 8/30/07 CHK: BTW DK: DCK

FIGURE



PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.55 6852,699,858

GeoEnvironmental ARATINE SLAGLE
Associates, LLC

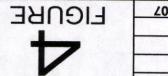
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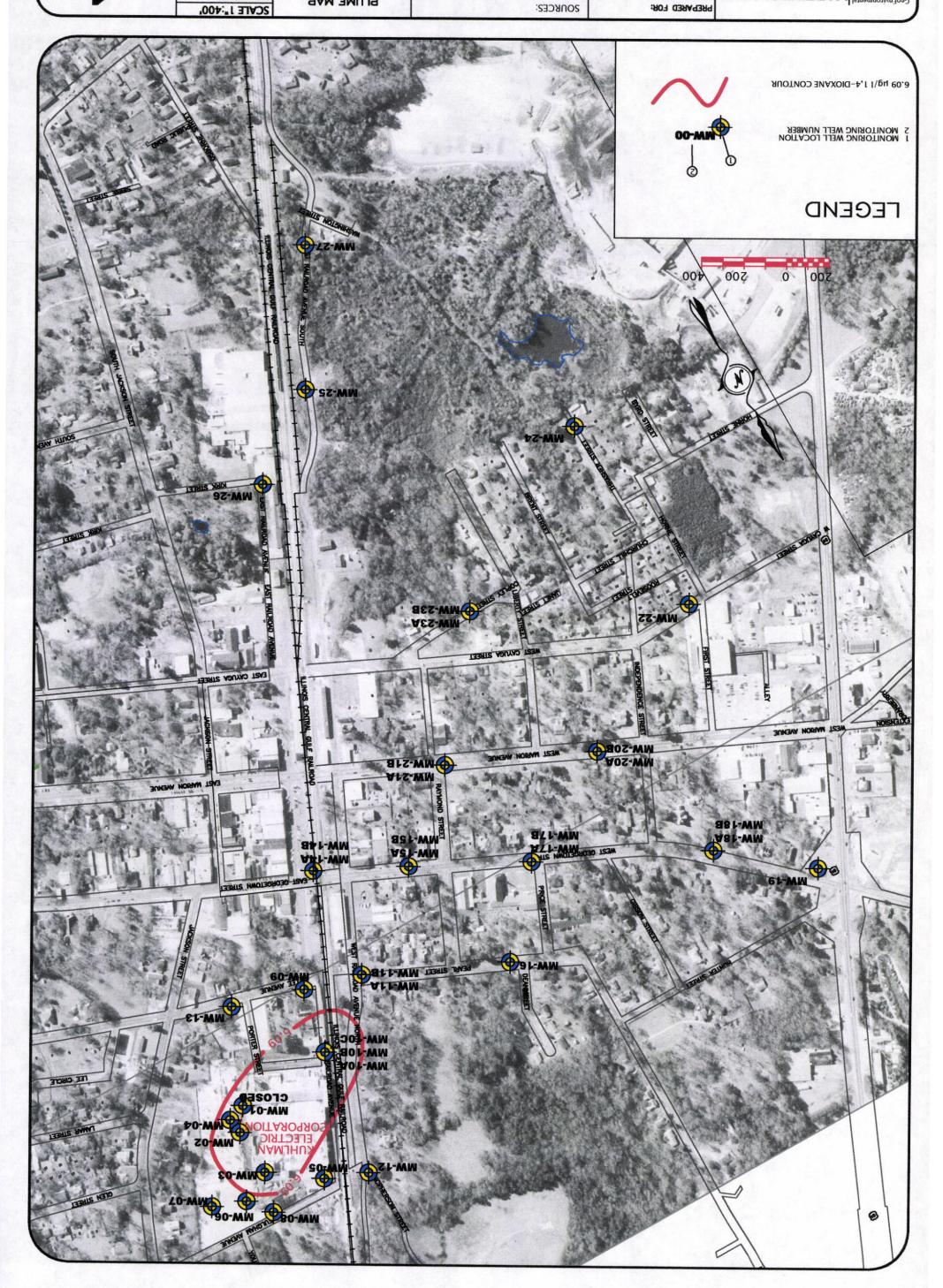
2005 AERIAL PHOTOGRAPHY COPIAH COUNTY, MS TAX ASSESSOR

I,4-DIOXANE PLUME MAP

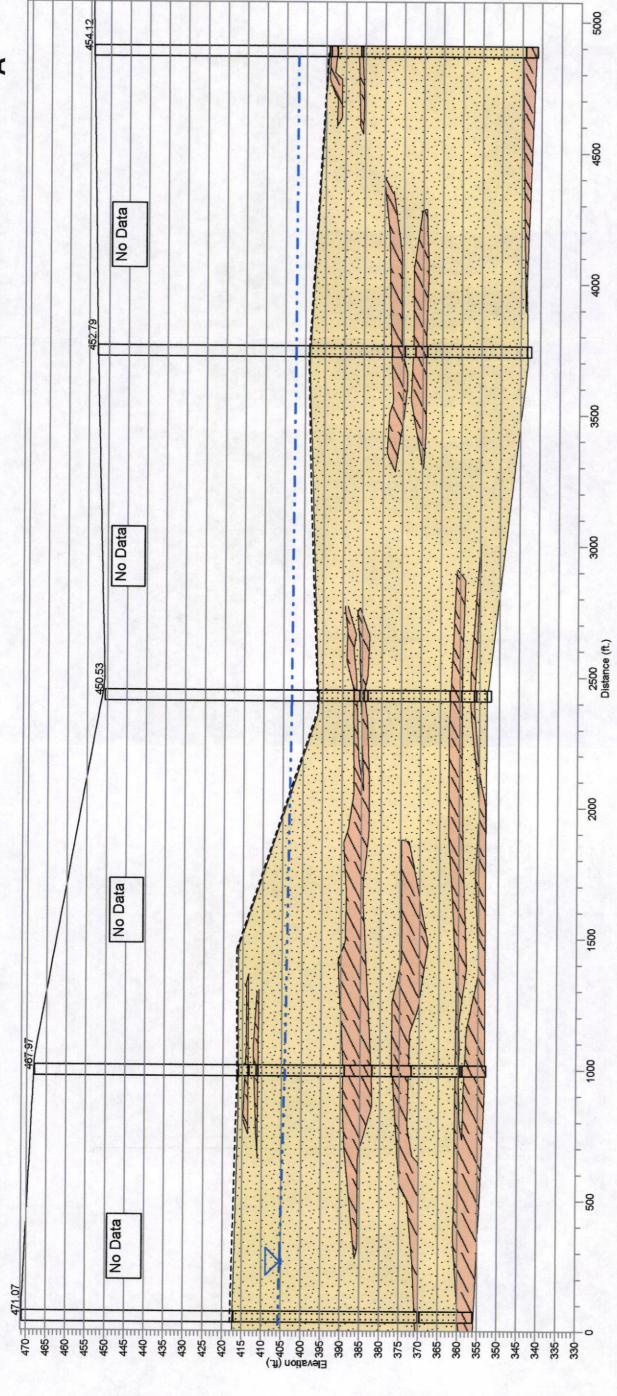
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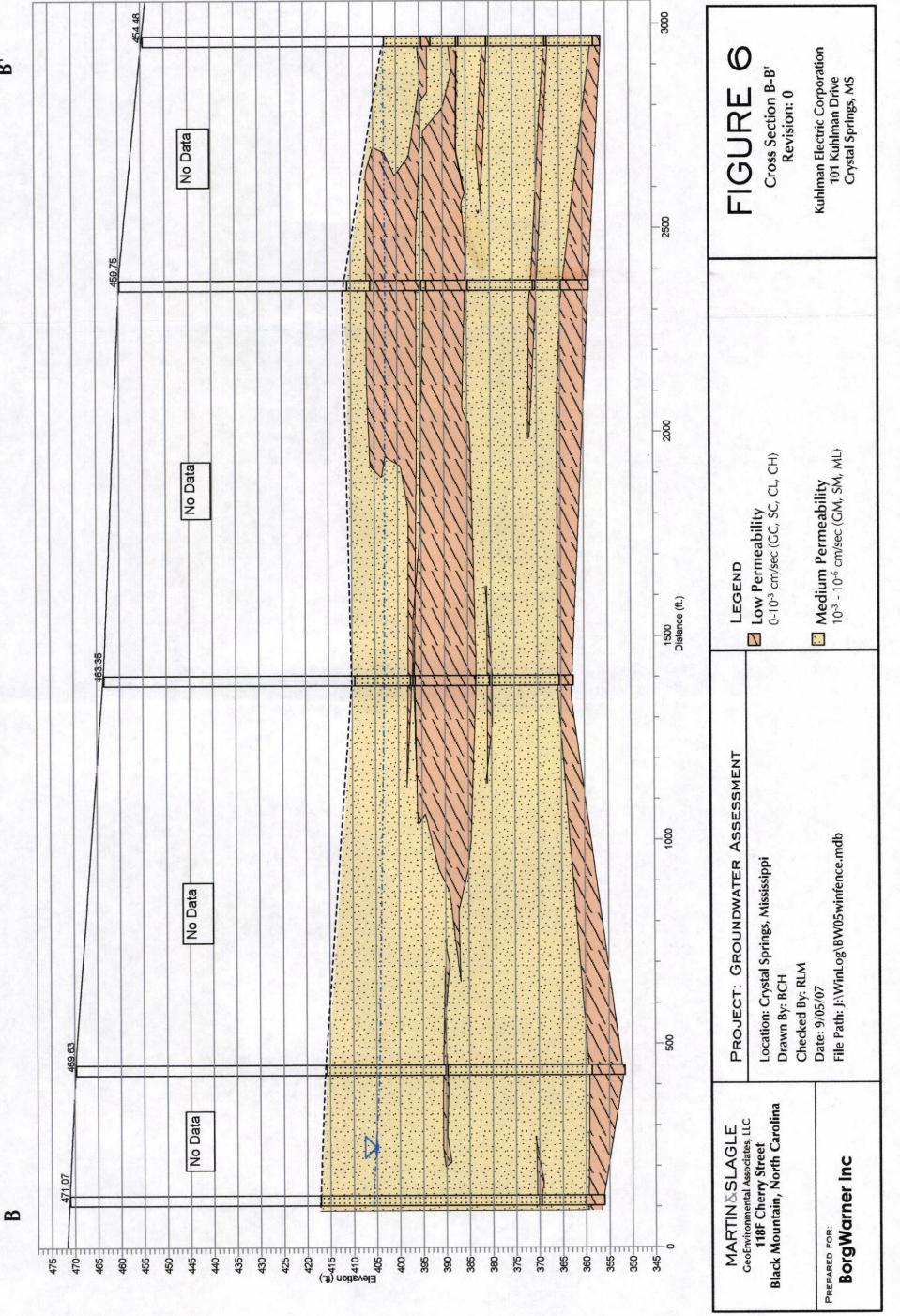








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PROJECT: GROUNDWATER ASSESSMENT	Location: Crystal Springs, Mississippi Drawn By: BCH Checked By: RLM	Date: 9/05/07 File Path: J:\WinLog\BW05winfence.mdb
MARTIN & SLAGLE GeoEnvironmental Associates, LLC	118F Cherry Street Black Mountain, North Carolina	PREPARED FOR: BorgWarner Inc



Summary of On-site Monitoring Well Preliminary Groundwater Sample Results for VOCs and 1,4-Dioxane March 2005 through August 2007 Kuhiman Electric Corporation Crystal Springs, MS Table 2

		7	Dioxane	-		·	1	1	1	r			ľ	ï	1	ı	L	ī		C	ı	i	1	ř	13	30	< 5.0		6.09
200000000000000000000000000000000000000	Dibromo	opole-	methane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.1 >	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0		0.126
		Chloro-	18we	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		0.155
	2	Trichloro	ethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8	9
		ō	ethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		5
21.00	+	Trichlore	ethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	700	200
000		Dichloro-	ethane	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0		798
	Ė	Dichloro-	ethene	18	43	5.0	1.4	20	< 1.0	<u>\$</u>	64	42	13	14	12	< 1.0	< 1.0	40	18	13	42	5.0	28	33	8.3	26	32		7
HILL	1-4- Dioxane	Date	Analyzed	1	1	ı	1	1	ı	•	Î	1	ï	1	1	•	Î	1	ı	1,	ı		s E	1	22-Sep-06	22-Sep-06	22-Sep-06		
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					_	2-Mar-05	2-Mar-05	2-Mar-05	2-Mar-05	2-Mar-05	3 2-Mar-05	2-Mar-05	12-Mar-05	12-Mar-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	2 18-Sep-05	18-Sep-05	22-Sep-05	4 23-Sep-05	23-Sep-05	20-Sep-06	20-Sep-06	_		arget Remediation Goal) (ug/L)
	Field Lab	916	Sample ID	KEP-GW-001-003	KEP-GW-003-003	KEP-GW-008-003 2-Mar-05	KEP-GW-007-003 2-Mar-05	KEP-GW-006-003 2-Mar-05	KEP-GW-005-003 2-Mar-05	KEP-GW-004-003 2-Mar-05	KEP-GW-002-003 2-Mar-05	KEP-Duplicate 2-Mar-05	KEP-GW-009-001 12-Mar-05	KEP-Duplicate 12-Mar-05	KEP-GW-006-004 18-Sep-05	0 KEP-GW-007-004 18-Sep-05	KEP-GW-005-004 18-Sep-05	KEP-GW-002-004 18-Sep-05	KEP-GW-004-004 18-Sep-05	KEP-GW-009-002 18-Sep-05	KEP-Duplicate 18-Sep-05	KEP-GW-008-004 22-Sep-05	KEP-GW-003-004 23-Sep-05	KEP-Duplicate 23-Sep-05	KEP-GW-002-005 20-Sep-06	KEP-GW-003-005 20-Sep-06	20-Sep-06		MDEQ Tier 1 TRG (Target Remediation Goal) (ug/L)

A result of (-) indicates that 1,4-dioxane was not analyzed for during the specified sampling event Results reported in micrograms per liter (ug/L)

Summary of On-site Monitoring Well Preliminary Groundwater Sample Results for VOCs and 1,4-Dioxane March 2005 through August 2007 Kuhlman Electric Corporation Crystal Springs, MS Table 2

1 2	0	0	0	o	0	-	0		o.	o	o.	0	0.	0	2	0	0	0		6
1,4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	14	0.9	41	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.3	0.9	< 2.0	< 1.0		6.09
Dibromo- caloro- methane	< 1.0	< 1.0	< 1.0	× 1.0	v 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0		0.126
Choro-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	× 1.0	< 1.0	× 1.0	< 1.0	1.7	< 1.0		0.155
f. 1.2- Trichloro etrane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	× 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	< 1.0	< 1.0	< 1.0		2
1,1,1. richloro Dichloro- ethane ethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	0′1 >	< 1.0	- Ang. 1902	5
1,1,1. Trichloro ethane	< 1.0	< 1.0	0.1 >	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0		200
1,1. Dichloro- ethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.4	< 1.0	< 1.0	< 1.0		798
Dichloro- ethene	< 1.0	3.3	< 1.0	2.2	10	15	14	35	31	< 1.0	10	< 1.0	3.0	13	120	4.1	< 1.0	< 1.0		7
T-4. Dioxane Date Analyzed	22-Sep-06	22-Sep-06	22-Sep-06	22-Sep-06	22-Sep-06	22-Sep-06	31-Jul-07	31-Jul-07	31-Jul-07	3-Aug-07	31-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07	3-Aug-07	3-Aug-07	1-Aug-07	1-Aug-07	03	8 230 X
VOCs Date Analyzed	90-də	90-da	ep-06	22-Sep-06	22-Sep-06	22-Sep-06	1-Aug-07	1-Aug-07	1-Aug-07	3-Aug-07	1-Aug-07	1-Aug-07	1-Aug-07	1-Aug-07	3-Aug-07	3-Aug-07	1-Aug-07	2-Aug-07		
Time Collected	14:05	12:30	10:20	11:40	19:15		10:22	17:30	8:55	15:10	15:45	11:08	13:30	13:15	19:43	20:17	18:25	13:30	4.5	
Date Collected	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	31-Jul-07	29-Jul-07	31-Jul-07	3-Aug-07	29-Jul-07	29-Jul-07	29-Jul-07	31-Jul-07	2-Aug-07	2-Aug-07	30-Jul-07	1-Aug-07		oal) (ug/L)
Sample ID	KEP-GW-005-005	KEP-GW-006-005	KEP-GW-007-005	KEP-GW-008-005	KEP-GW-009-003	KEP-Duplicate	KEP-GW-002-006	KEP-GW-003-006	KEP-GW-004-006	KEP-GW-005-006	KEP-GW-006-006	KEP-GW-007-006	KEP-GW-008-006	KEP-GW-009-004	KEP-GW-010A-001	KEP-GW-010B-001	KEP-GW-010C-001	KEP-GW-013-001		MDEQ Tier 1 TRG (Target Remediation Goal) (ug/L)
Feld Lab Sample D	W1703	W1704	W1705	W1706	W1707	W1708	W1948	W1949	W1951	\dashv	\dashv	\dashv	\dashv	W1956	W1957	-	-	W1963		r 1 TRG (T
Meli D	MW-05	90-MM	MW-07	MW-08	MW-09	MW-02	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10A	MW-10B	MW-10C	MW-13		MDEQ Tie

A result of (-) indicates that 1,4-dioxane was not analyzed for during the specified sampling event Results reported in micrograms per liter (ug/L)

Summary of On-Site Monitoring Well Preliminary Groundwater Sample Results for Chlorinated Benzenes March 2005 through August 2007 Kuhlman Electric Corporation Crystal Springs, MS Table 3

							- 00	413																			
Hexa- chlore- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	-
Penta- chloro- benzene	< 0.025	0.032	< 0.025	< 0.025	0.22	< 0.025	< 0.025	< 0.025	0.031	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.025	< 0.025	< 0.025	< 0.025	0.076	29.2
1,2,3,4- Tetrachloro- benzene	< 0.025	0.29	< 0.025	< 0.025	0.25	< 0.025	< 0.025	< 0.025	0.29	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	0.025	960.0	< 0.025	< 0.025	0.080	SN
1,2,3,5-8 1,2,4,5- Tetrachloro- benzene	< 0.050	0.059	< 0.050	< 0.050	0.20	< 0.050	< 0.050	< 0.050	0.057	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	11
Trichloro- benzene	0.10	0.45	< 0.025	< 0.025	0.039	< 0.025	0.029	< 0.025	0.50	< 1.0	< 1.0	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.025	0.16	0.057	< 0.025	< 0.025	SN
1,2,4- Trichloro- benzene	< 0.025	0.14	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	02
1,3,5- Trichloro- benzene	< 0.025	620.0	< 0.025	< 0.025	260.0	< 0.025	< 0.025	< 0.025	0.072	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	SN
Date Analyzeo	3-Mar-05	3-Mar-05	12-Mar-05	12-Mar-05	19-Sep-05	19-Sep-05	19-Sep-05	19-Sep-05	19-Sep-05	19-Sep-05	19-Sep-05	22-Sep-05	23-Sep-05	23-Sep-05	20-Sep-06	21-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06								
. Time Collected	11:04	13:06	14:24	14:57	15:14	15:28	16:03	16:17		11:19		15:09	15:22	15:45	16:08	16:45	17:03	39	17:25	10:25		15:30	20:20	17:45	14:05	12:30	
Date Collected	2-Mar-05	2-Mar-05	12-Mar-05	12-Mar-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	18-Sep-05	22-Sep-05	23-Sep-05	23-Sep-05	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	T)							
Sample D	KEP-GW-001-003	KEP-GW-003-003	KEP-GW-008-003	KEP-GW-007-003	KEP-GW-006-003	KEP-GW-005-003	KEP-GW-004-003	KEP-GW-002-003	KEP-Duplicate	KEP-GW-009-001	KEP-Duplicate	KEP-GW-006-004	KEP-GW-007-004	KEP-GW-005-004	KEP-GW-002-004	KEP-GW-004-004	KEP-GW-009-002	KEP-Duplicate	KEP-GW-008-004	KEP-GW-003-004	KEP-Duplicate	KEP-GW-002-005	KEP-GW-003-005	KEP-GW-004-005	KEP-GW-005-005	KEP-GW-006-005	MDEQ Tier 1 Target Remediation Goal (ug/L)
Field Lab Sample ID	W1083	W1084	W1085	W1086	W1087	W1088	W1089	W1090	W1091	W1140	W1142	W1369	W1370	W1371	W1373	W1374	W1375	W1376	W1409	W1411	W1412	W1700	W1701	W1702	W1703	W1704	ា1 Target Re
WellD	MW-01	MW-03	MW-08	MW-07	MW-06	MW-05	MW-04	MW-02	MW-03	MW-09	60-WW	MW-06	MW-07	MW-05	MW-02	MW-04	60-WM	MW-02	MW-08	MW-03	MW-03	MW-02	MW-03	MW-04	MW-05	MW-06	MDEQ Tier

NS - No MDEQ Tier 1 TRG established Results reported in micrograms per liter (ug/L)

Summary of On-Site Monitoring Well Preliminary Groundwater Sample Results for Chlorinated Benzenes March 2005 through August 2007 Kuhlman Electric Corporation Crystal Springs, MS Table 3

													1				- 2	
Hexa- chloro- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		1
Penta- chloro- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	20 30 200	29.2
1,2,3,4. Tetrachioro- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		SN
1,2,3,5-8 1,2,4,5- Terrachloro- benzene	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	25 5	11
1,2,3- Trichloro- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2	SN
1,2,4- Trichloro- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		70
1,3,5- Trichlore- benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		SN
Date Analyzed	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	31-Jul-07	31-Jul-07	31-Jul-07	3-Aug-07	31-Jul-07	31-Jul-07	31-Jul-07	31-Jul-07	3-Aug-07	3-Aug-07	31-Jul-07	1-Aug-07		
Time	10:20	11:40	19:15		10:22	17:30	8:55	15:10	15:45	11:08	13:30	13:15	19:43	20:17	18:25	13:30		
Date Collected	20-Sep-06	20-Sep-06	20-Sep-06	20-Sep-06	31-Jul-07	29-Jul-07	31-Jul-07	3-Aug-07	29-Jul-07	29-Jul-07	29-Jul-07	31-Jul-07	2-Aug-07	2-Aug-07	30-Jul-07	1-Aug-07		(1
Sample ID	KEP-GW-007-005	KEP-GW-008-005	KEP-GW-009-003	KEP-Duplicate	KEP-GW-002-006	KEP-GW-003-006	KEP-GW-004-006	KEP-GW-005-006	KEP-GW-006-006	KEP-GW-007-006	KEP-GW-008-006	KEP-GW-009-004	KEP-GW-010A-001	KEP-GW-010B-001	KEP-GW-010C-001	KEP-GW-013-001		MDEQ Tier 1 Target Remediation Goal (ug/L)
Field Lab Sample ID	W1705	W1706	W1707	W1708	W1948	W1949	W1951	W1952	W1953	W1954	W1955	W1956	W1957	W1958	W1959	W1963		1 Target Re
GIIEW	MW-07	MW-08	60-MW	MW-02	MW-02	MW-03	MW-04	MW-05	90-WM	MW-07	MW-08	60-WW	MW-10A	MW-10B	MW-10C	MW-13		MDEQ Tier

NS - No MDEQ Tier 1 TRG established Results reported in micrograms per liter (ug/L)

Table 4
Monitoring Well Construction Details
March 2004 through September 2007
Kuhlman Electric Corporation
Crystal Springs, MS

	**************************************	-			- T	-1	-	1	-	- 1		т	J			\neg		_7	_	-Т	\neg	7		1	т		-	1	-	Ī	e.	-1		-	8 8			1	Ţ	٦
	Pump	Setting (1	(s6q	1	65	28	64	56	54	61	22	20	9	79	97	8	103	73	2	78	100	73	87	63	92	86	69	82	92	92	\$	99	92	8	43	8	81	106	101	108
ME	E	9-4-07	(ft msl)	ı	406.73	406.75	409.52	433.82	406.93	407.25	406.93	405.48	405.7	405.73	405.75	405.18	405.31	406.02	406.06	404.63	404.59	404.27	404.21	404.07	402.85	402.89	402.28	402.31	402	402.6	402.63	403.35	403.35	402.39	402.77	402.6	400.99	399.52	399.46	391.79
MAC	Elevation I	7-28-07	(ft msl)	1	407.36	407.3	406.98	429.27	407.46	407.75	407.59	405.81	406.2	406.4	406.2	405.71	406.91	406.48	405.71	404.95	404.97	404.68	404.59	404.53	403.26	403.31	402.9	402.7	402.48	403.04	403.16	403.8	403.81	402.87	403.37	402.97	401.44	400.06	399.96	390.98
L M	6	9-05	(flms)	1	408.96	409.04	408.97	425.84	409.35	409.7	409.27	407.35	1	E	-	1	1	ı	ī	Γ	1	1	1	L	ſ	1	Ī	1		-	1	1	-	ſ	1	1	•	1	1	ı
T TWO	Elevation	88	(ft ms))	408.05	408.28	408.45	408.27	436.87	408.71	408.95	408.78	406.87	I	L	1	1	1	ı	1	Ţ	ì	1	1	Γ	1	1	1	T	f	1	-	-		1	1	1	1	-	Ĩ	l
N.S.	Elevation	4-12-04	(I ms)	407.1	407.35	407.69	407.32	437.26	407.75	408	407.68	I	1	ı	1	1	1	•	ı	1	1	=	1	ı	-	1	1	1	ı	1		1	1	t	J		1	Ĺ	ľ	1
		Elevation	(ftmsl)	467.47	465.23	458.32	468.47	456.55	457.28	462.7	454.46	470.03	470.95	470.78	470.97	470.08	470.01	465.35	465.12	464.03	463.99	467.29	467.29	460.24	460.02	460.04	459.46	459.67	454.02	462.12	462.0	458.72	458.65	447.54	440.12	440.41	433.14	450.95	459.37	433.56
Part Sag	Sirface	-	(ft msl)	467.76	465.59	458.7	465.75	457.02	457.61	463	455.04	470.21	471.25	471.25	471.25	470.46	470.46	465.66	465.38	464.2	464.2	467.53	467.53	460.56	460.31	460.31	459.95	459.95	454.38	462.41	462.41	458.0	459	447.92	440.61	440.61	433.41	451.26	459.61	433.48
	Depth	10 GW	(ft bgs)	60.37	57.88	50.63	51.15	19.25	49.53	54.7	46.78	63.04	65.05	63.85	65.05	64.75	63.55	59.17	59.94	59.25	59.23	62.85	62.94	55.98	57.05	57.0	57.05	57.25	48.9	59.37	59.25	54.2	55.19	45.05	37.24	37.64	31.97	51.2	59.65	42.5
Dente At	Sinface	Casing	1000	1	J	1	I	ı	1	1	T	I	1	1	06	1	95	1	ı	1	ı		1	ı	1	ı	1	I	1	I	1		85	1	1	I	Ĺ	1	1	1
100	Screen	Interval	(ft bgs)	58-73	57-72	59-64	55-70	18-33	43-58	51-66	47-62	61-76	62-72	76-81	94-99	75-85	100-105	65-75	62-72	69.5-79.5	97-102	65-75	86-91	55-65	02-09	83-88	62-72	80-85	85-95	22-67	100-105	58-68	88-93	85.5 -95.5	35-45	79-84	77-82	98-108	92-102	99-109
	a S	Lenath)E	15	15	15	15	15	15	15	15	15	10	5	5	5	5	10		10	5	10	5	10	10	5	10	5	10	10	5	10	5	10	10	5	ß	5	10	10
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			Date Installed	3/9 & 3/11/2004	3/16/2004	3/18/2004	3/17/2004	3/18/2004	3/25/2004	3/24/2004	3/26/2004	3/3/2005	7/7/2007	7/7/2007	7/17/2007	7/5/2007	7/18/2007	6/4/2007	7/7/2007	6/8/2007	6/11/2007	6/18/2007	6/20/2007	6/5/2007	6/28/2007	6/28/2007	6/25/2007	6/26/2007	6/6/2007	6/22/2007	6/21/2007	7/2/2007	7/16/2007	6/12/2007	6/15/2007	6/14/2007	7/5/2007	7/13/2007	6/13/2007	7/17/2007
	A CONTRACTOR OF THE CONTRACTOR		Well No.	_	1	MW-3	MW-4	MW-5	9-WM	MW-7	MW-8	MW-9	MW-10A	MW-10B	MW-10C	MW-11A	MW-11B	MW-12	MW-13	MW-14A	MW-14B	MW-15A	MW-15B	MW-16	MW-17A	MW-17B	MW-18A	MW-18B	MW-19	MW-20A	MW-20B	MW-21A	MW-21B	MW-22	MW-23A	MW-23B	MW-24	MW-25	MW-26	MW-27

Summary of Off-Site Monitoring Well Preliminary Groundwater Sample Results for VOCs and 1,4-Dioxane July 2007 through August 2007 Kuhlman Electric Corporation Crystal Springs, MS Table 5

	200		2.00(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)					200000000000000000000000000000000000000					
					VOCS	14. Dioxane	i di		\$ A		A CATALON CONTROL OF THE CATALON CONTROL OF T	District Control	
	Field Lab		Date	Time	Date	Date	Dichlore	Dichlora-	Trichloro	, 6 9 6		chloro-	4 4 4 4
Well-ID	Sample ID		Collected	Collected	Analyzed	Analyzed	ethene	ethane	ethane	ethene	Toluene	methane	Dioxane
MW-11B	W1950	KEP-Duplicate	30-Jul-07	1	1-Aug-07	1-Aug-07	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11A	W1960	KEP-GW-011A-001	30-Jul-07	12:40	1-Aug-07	31-Jul-07	27	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	2.8
MW-11B	W1961	KEP-GW-011B-001	30-Jul-07	14:55	1-Aug-07	31-Jul-07	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	× 1.0	× 1.0
MW-12	W1962	KEP-GW-012-001	30-Jul-05	8:45	1-Aug-07	31-Jul-07	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0
MW-14A	W1964	KEP-GW-014A-001	31-Jul-07	18:52	2-Aug-07	1-Aug-07	× 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0
MW-14B	W1965	KEP-GW-014B-001	31-Jul-07	19:25	2-Aug-07	1-Aug-07	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0
MW-15A	W1966	KEP-GW-015A-001	3-Aug-07	14:15	3-Aug-07	3-Aug-07	45	1.2	1.4	< 1.0	1.6	< 1.0	1.8
MW-15B	W1967	KEP-GW-015B-001	1-Aug-07	9:30	2-Aug-07	1-Aug-07	10	< 1.0	< 1.0	< 1.0	44	< 1.0	4.3
MW-16	W1968	KEP-GW-016-001	30-Jul-07	10:45	1-Aug-07	31-Jul-07	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-17A	W1969	KEP-GW-017A-001	31-Jul-07	21:40	2-Aug-07	1-Aug-07	48	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3
MW-17B	W1970	KEP-GW-017B-001	31-Jul-07	21:05	2-Aug-07	1-Aug-07	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-18A	W1971	KEP-GW-018A-001	31-Jul-07	16:10	2-Aug-07	31-Jul-07	31	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.1
MW-18B	W1972	KEP-GW-018B-001	31-Jul-07	15:35	2-Aug-07	1-Aug-07	10	< 1.0	< 1.0	< 1.0	1.6	< 1.0	× 1.0
MW-19	W1973	KEP-GW-019-001	3-Aug-07	9:30	3-Aug-07	3-Aug-07	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0
MW-20A	W1974	KEP-GW-020A-001	2-Aug-07	16:09	2-Aug-07	2-Aug-07	20	< 1.0	< 1.0	< 1.0	52	× 1.0	× 1.0
MW-20B	W1975	KEP-GW-020B-001	2-Aug-07	17:28	2-Aug-07	2-Aug-07	46	< 1.0	× 1.0	< 1.0	5.4	< 1.0	2.5
MW-21A	W1976	KEP-GW-021A-001	1-Aug-07	19:16	2-Aug-07	2-Aug-07	29	< 1.0	< 1.0	1.6	3.6	× 1.0	< 1.0
MW-21B	W1977	KEP-GW-021B-001	3-Aug-07	14:59	3-Aug-07	3-Aug-07	1.1	< 1.0	< 1.0	< 1.0	< 1.0	1:1	< 3.0
MW-22	W1978	KEP-GW-022-001	2-Aug-07	9:20	2-Aug-07	2-Aug-07	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0
MW-23A	W1979	KEP-GW-023A-001	2-Aug-07	15:10	2-Aug-07	2-Aug-07	< 1.0	< 1.0	< 1.0	< 1.0	× 1.0	< 1.0	× 1.0
MW-23B	W1980	KEP-GW-023B-001	2-Aug-07	14:42	2-Aug-07	2-Aug-07	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6
MW-15B	W1981	KEP-Duplicate	1-Aug-07	1	2-Aug-07	1-Aug-07	11	< 1.0	< 1.0	< 1.0	54	× 1.0	4.4
MW-24	W1982	KEP-GW-024-001	2-Aug-07	11:15	2-Aug-07	2-Aug-07	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-25	W1983	KEP-GW-025-001	1-Aug-07	17:25	2-Aug-07	1-Aug-07	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8
MW-26	W1984	KEP-GW-026-001	3-Aug-07	10:20	3-Aug-07	3-Aug-07	< 1.0	< 1.0	< 1.0	< 1.0	3.6	× 1.0	< 1.0
MW-27	W1985	KEP-GW-027-001	28-Jul-07	18:41	1-Aug-07	31-Jul-07	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
				8					7,000				
MDEQ Tier	1 Target Re	MDEQ Tier 1 Target Remediation Goal (ug/L)		38 56		2000	7	798	5	2	1000	0.126	60.9

Results reported in micrograms per liter (ug/L)

Project: Groundwater Assessment Well Number: MW-10A Location: Crystal Springs, MS Coordinates: E- 2289297.51 N-905573.51 Client: BorgWarner, Inc. Ground Surface: 471.25 Reviewed By: S. Spinner Logged By: Robert Martin Feet Below Ground Surface Well Description Lithology T/Casing Flush El. 470.95' Mounted Bolt 10 15 20 25 30 35 40 45 Cover Lockable Cap Concrete -Collar Lean Cement/ Augered Grout without Mixture sampling 30 Well Casing 2" Ø Schedule 40 **PVC** 50-55 Bentonite Top of Seal Screen El. 395.25 Sand Filter Pack Ground Water El. 406.20' 0.010 Manufactured Bottom of 70 Slotted Well Screen El. Screen 399.25' 75-

Drilling Contractor: Walker-Hill Engineering, Inc

Drilling Method: Rotary Auger/Mud Rotary

Drilling Equipment: Rotary Auger

Drilling Started: 7/7/2007 Drilling Ended: 7/7/2007

Project: Groundwater Assessment Well Number: MW-10B Location: Crystal Springs, MS Coordinates: E- 2289309.51 N-905605.33 Client: BorgWarner, Inc. Ground Surface: 471.25 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted 470.78 **Bolt Cover** Concrete² Lockable Cap Collar 10 15-Augered 20 Well Casing 2" Ø Schedule 40 PVC without 25 sampling 30 Lean Cement/ **Grout Mixture** 35 40 50 **Ground Water** El. 406.40' 70-Bentonite Seal Top of Screen 75 Sand Filter El. 395.25' Pack 0.010 Bottom of 80-Manufactured Screen El. 390.25 Slotted Well Screen 85-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 7/7/2007 Drilling Ended: 7/7/2007

Project: Groundwater Assessment

Location: Crystal Springs, MS

Client: BorgWarner, Inc.

Reviewed By: S. Spinner

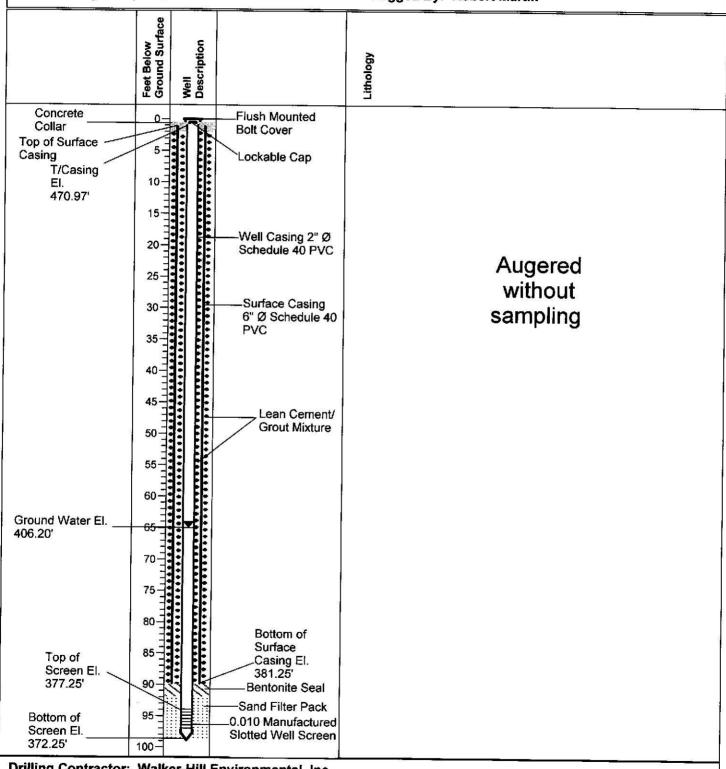
Well Number: MW-10C

Coordinates: E- 2289301.89

N-905589.90

Ground Surface: 471.25

Logged By: Robert Martin



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger/Mud Rotary

Drilling Equipment: Rotary Auger

Drilling Started: 7/10/2007 Drilling Ended: 7/17/2007

Project: Groundwater Assessment Well Number: MW-11A Location: Crystal Springs, MS Coordinates: E- 2288964.05 N-905338.67 Client: BorgWarner, Inc. Ground Surface: 470.46 Reviewed By: Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted 0-**Bolt Cover** 470.08 Lockable Cap Concrete Collar 1 Well Casing 2" Ø Augered Schedule 40 PVC without sampling Lean Cement/ **Grout Mixture** 50-55 60 **Ground Water** El. 405.711 Bentonite Seal Top of Screen El. 395.46' Sand Filter Pack 0.010 80-Manufactured Bottom of Slotted Well Screen El. Screen 385.46" Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 7/5/2007 Drilling Ended: 7/5/2007

Project: Groundwater Assessment Well Number: MW-11B Location: Crystal Springs, MS Coordinates: E- 2288957.27 N-905341.65 Client: BorgWarner, Inc. Ground Surface: 470.46 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Concrete Collar Flush Mounted Bolt Cover Top of Surface Lockable Cap Casing 10 T/Casing El. 470.02 15 20 Well Casing 2" Ø Schedule 40 PVC 25 Augered 30without Surface Casing 6" Ø Schedule 40 sampling 35 40 45 Lean Cement/ 50 **Grout Mixture** 55 Ground Water El. 406.91 65-70 85 Top of Screen **Bottom of Surface** Casing El. 375.46' El. 370.46' Bentonite Seal 100 Sand Filter Pack Bottom of 0.010 Manufactured Screen El. Slotted Well Screen 365.46 Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 7/9/2007 Drilling Ended: 7/18/2007

Project: Groundwater Assessment Well Number: MW-12 Location: Crystal Springs, MS Coordinates: E- 2289400.57 N-906172.27 Client: BorgWarner, Inc. Ground Surface: 465.66 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted **Bolt Cover** 465.35" Lockable Cap Concrete Collar 10 15 Augered Well Casing 2" Ø 20 Schedule 40 PVC without sampling 25 Lean Cement/ Grout Mixture 30 35. 45-50-55 **Ground Water** 60 El. 406.48' Bentonite Seal Top of Screen Sand Filter Pack El. 400.57' 70-0.010 Manufactured Slotted Well Bottom of -Screen Screen El. 390.57 80-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/4/2007 Drilling Ended: 6/4/2007

Project: Groundwater Assessment Well Number: MW-13 Location: Crystal Springs, MS Coordinates: E- 2289570.85 N-905167.38 Client: BorgWarner, Inc. Ground Surface: 465.38 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing Flush Mounted EI. **Bolt Cover** 465.12 Concrete Collar -5 Lockable Cap 10-15 Augered Well Casing 2" Ø 25 Schedule 40 PVC without sampling 35 Lean Cement/ Grout Mixture 40 45-50 55 Ground Water El. Bentonite Seal 405.44 Sand Filter Top of Pack Screen El. 403.38 0.010 70 Manufactured Bottom of , Slotted Well Screen El. Screen 393.38 75-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 7/7/2007 Drilling Ended: 7/7/2007

Project: Groundwater Assessment Well Number: MW-14A Location: Crystal Springs, MS Coordinates: E- 228892.25 N-904792.79 Client: BorgWarner, Inc. Ground Surface: 464.20 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. 464.03' Well Cover 5 Lockable Cap Concrete -Collar 10 15 Augered 20without Lean Cement/ Grout Mixture 25 sampling 30 Well Casing 2" Ø 35 Schedule 40 PVC 40 45 50 55 Ground Water El. 404.95' Bentonite Seal Top of Screen El. 394.70' Sand Filter Pack 75-0.010 Bottom of Manufactured Screen El. Slotted Well 80-384.70" Screen Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/8/2007 Drilling Ended: 6/8/2007

Project: Groundwater Assessment Location: Crystal Springs, MS

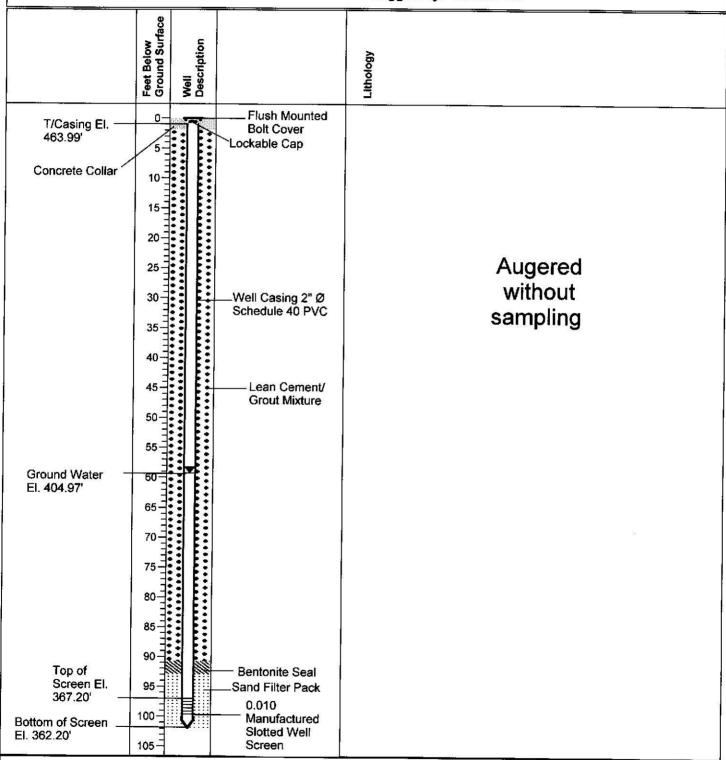
Client: BorgWarner, Inc. Reviewed By: S. Spinner Well Number: MW-14B

Coordinates: E- 2288921.69

N-904795.11

Ground Surface: 464.20

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 6/11/2007 Drilling Ended: 6/11/2007

Project: Groundwater Assessment Well Number: MW-15A Location: Crystal Springs, MS Coordinates: E- 2288523.07 N-905002.74 Client: BorgWarner, Inc. **Ground Surface: 467.53** Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. **Bolt Cover** 467.29' Lockable Cap Concrete Collar -10 15 Augered 20 without Well Casing 2" Ø Schedule 40 PVC sampling 25 30 Lean Cement/ **Grout Mixture** 35 45 50-55 60 Ground Bentonite Seal Water El. 404.68' 65-Sand Filter Pack Top of Screen El. 402.531 70--0.010 Manufactured Bottom of Screen-Slotted Well Screen El. 392.53' 80-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/18/2007 Drilling Ended: 6/18/2007

Project: Groundwater Assessment Well Number: MW-15B Location: Crystal Springs, MS Coordinates: E- 2288529.38 N-905000.05 Client: BorgWarner, Inc. Ground Surface: 467.53 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted Bolt 467.29 Cover Lockable Cap Concrete Collar 10 15 20 Augered Well Casing 2" Ø 25 without Schedule 40 PVC sampling 30 Lean Cement/ **Grout Mixture** 40 45 55 Ground Water El. 404.59' 65-70 Top of 80 Screen El. 381.53 Bentonite Seal 85 Sand Filter Pack 0.010 Manufactured Bottom of Screen Slotted Well Screen El. 376.53' 95-Drilling Contractor: Walker-Hill Environmental, Inc. Drilling Method: Rotary Auger & Mud Auger **Drilling Equipment: Rotary Auger** Drilling Started: 6/20/2007 Drilling Ended: 6/20/2007

Project: Groundwater Assessment Well Number: MW-16 Location: Crystal Springs, MS Coordinates: E- 2288330.26 N-905631.43 Client: BorgWarner, Inc. **Ground Surface: 460.56** Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. 460.24' **Bolt Cover** Lockable Cap 5 Concrete Collar 10 15 Augered without Lean Cement/ 20 **Grout Mixture** sampling 25 30 Well Casing 2" Ø Schedule 40 PVC Top of Screen El. 405.56 Bentonite Seal Sand Filter Pack 55 **Ground Water** El. 404.53' 0.010 Manufactured 60-Slotted Well Screen Bottom of Screen El. 395.56 70-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/5/2007

Drilling Ended: 6/5/2007

Project: Groundwater Assessment Well Number: MW-17A Location: Crystal Springs, MS Coordinates: E- 2288006.27 N-905269.12 Client: BorgWarner, Inc. **Ground Surface: 460.31** Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted **Bolt Cover** 460.02" Lockable Cap Concrete Collar 10 15 Augered 20without Well Casing 2" Ø sampling Schedule 40 PVC 25 30-35-40-Lean Cement/ 45-**Grout Mix** 50-Ground Water El. Bentonite Seal 403.26 Top of Screen Sand Filter Pack El. 400.31' 65-0.010 Manufactured Slotted Well Bottom Screen El. Screen 390.311 75-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/28/2007 Drilling Ended: 6/28/2007

Well Number: MW-17B **Project: Groundwater Assessment** Coordinates: E- 2288013.03 N-905265.88 Location: Crystal Springs, MS Client: BorgWarner, Inc. **Ground Surface: 460.31** Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing Flush Mounted 0-El. 460.04' **Bolt Cover** Lockable Concrete Collar-Cap 10 15-Well Casing 2" Ø Schedule 40 PVC 20 Augered without 25 sampling Lean Cement/ 30 **Grout Mixture** 35 40 50 Ground Water El. 403.31 60-70 75 Top of Screen El. 377.31 Bentonite Seal Sand Filter

Drilling Contractor: Walker-Hill Environmental, Inc.

Pack

0.010 Manufactured

Slotted Well

Drilling Method: Rotary Auger & Mud Auger

85

90-

Drilling Equipment: Rotary Auger

Drilling Started: 6/28/2007 Drilling Ended: 6/28/2007

Bottom Screen

El. 372.31'

Project: Groundwater Assessment Well Number: MW-18A Location: Crystal Springs, MS Coordinates: E- 2287234.60 N-905645.75 Client: BorgWarner, Inc. Ground Surface: 459.95 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. 459.46 **Bolt Cover** Lockable Cap Concrete 1 Collar 10-Augered Well Casing 2" Ø Schedule 40 PVC without sampling 30-35 Lean Cement/ Grout Mixture 40-45 50 55 Ground Water Bentonite Seal El. 402.90' 60-Top of Screen El. Sand Filter Pack 397.95 65-0.010 Manufactured 70-Slotted Well Bottom of Screen Screen El. 387.95' 75-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/25/2007 Drilling Ended: 6/25/2007

Location: Crystal Springs, MS

Client: BorgWarner, Inc.

Reviewed By: S. Spinner

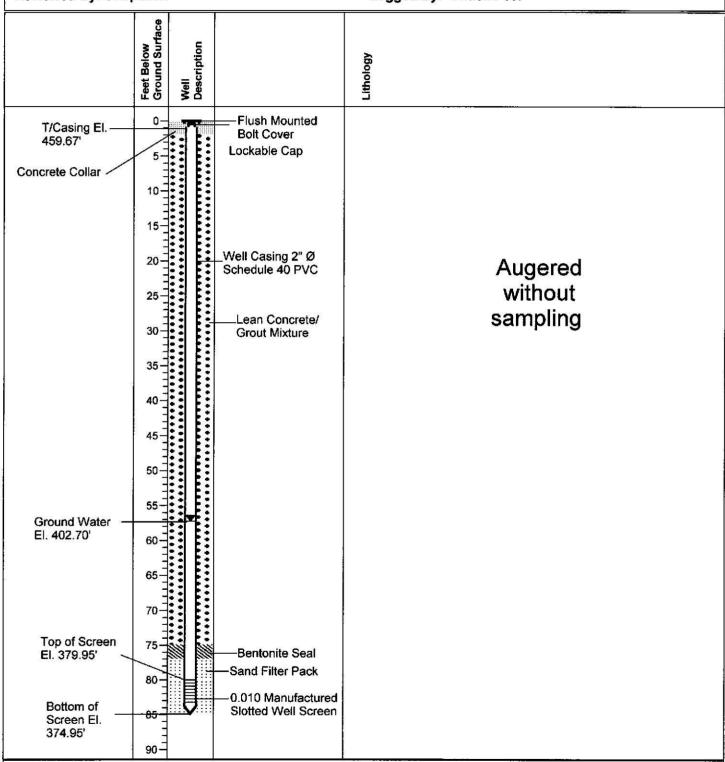
Well Number: MW-18B

Coordinates: E- 2287239.22

N- 905640.98

Ground Surface: 459.95

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 6/26/2007 Drilling Ended: 6/26/2007

Location: Crystal Springs, MS

Client: BorgWarner, Inc.

Reviewed By: S. Spinner

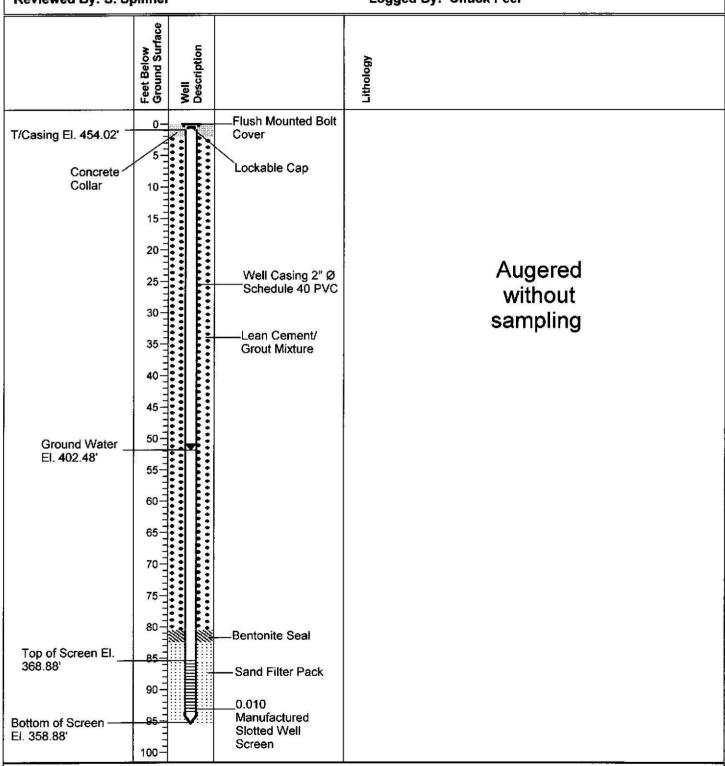
Well Number: MW-19

Coordinates: E- 2286848.43

N-905960.22

Ground Surface: 454.38

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 6/6/2007 Drilling Ended: 6/6/2007

Project: Groundwater Assessment Well Number: MW-20A Location: Crystal Springs, MS Coordinates: E- 2287478.87 N-904967.37 Client: BorgWarner, Inc. Ground Surface: 462.41 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology T/Casing El. Flush Mounted 462.12" **Bolt Cover** Lockable Cap Concrete² Collar 10-15 Augered without Well Casing 2" Ø 20-Schedule 40 PVC sampling 25 30 Lean Cement/ 35 Grout Mixture Top of Screen Bentonite Seal El. 405.41' Sand Filter Pack **Ground Water** 60 El. 403.04' 0.010 65 Manufactured Bottom of Slotted Well Screen El. Screen 395.41" 70-Drilling Contractor: Walker-Hill Environmental, Inc. Drilling Method: Rotary Auger & Mud Auger **Drilling Equipment: Rotary Auger** Drilling Started: 6/22/2007 Drilling Ended: 6/22/2007

Project: Groundwater Assessment Well Number: MW-20B Location: Crystal Springs, MS Coordinates: E- 2287485.33 N-904964.46 Client: BorgWarner, Inc. Ground Surface: 462.41 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. **Bolt Cover** 462.00' Lockable Cap Concrete Collar Well Casing 2" Ø 19 Schedule 40 PVC Augered 24 without 29 sampling Lean Cement/ Grout Mixture **Ground Water** El. 403.16' 69 Top of 89 Screen El. 362.41' Bentonite Seal Sand Filter Pack Bottom of 0.010 Manufactured Screen 104 Slotted Well Screen EI.

Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

109-

Drilling Equipment: Rotary Auger

Drilling Started: 6/21/2007 Drilling Ended: 6/21/2007

357.41

Project: Groundwater Assessment Well Number: MW-21A Location: Crystal Springs, MS Coordinates: E- 2288135.87 N-904676.18 Client: BorgWarner, Inc. Ground Surface: 458.00 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. 458.72' **Bolt Cover** Lockable Cap 5-Concrete Collar 10 15 **Augered** without Lean Cement/ 20 **Grout Mixture** sampling 25 30 Well Casing 2" Ø Schedule 40 PVC 35 50-Bentonite Seal Ground Water El. 403.80 Screen Filter Pack Top of Screen El. 401.00' 0.010 Manufactured 65-Slotted Well Screen Botom of Screen El. 391.00 70-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger**

Drilling Equipment: Rotary Auger

Drilling Started: 7/2/2007 Drilling Ended: 7/2/2007

Location: Crystal Springs, MS

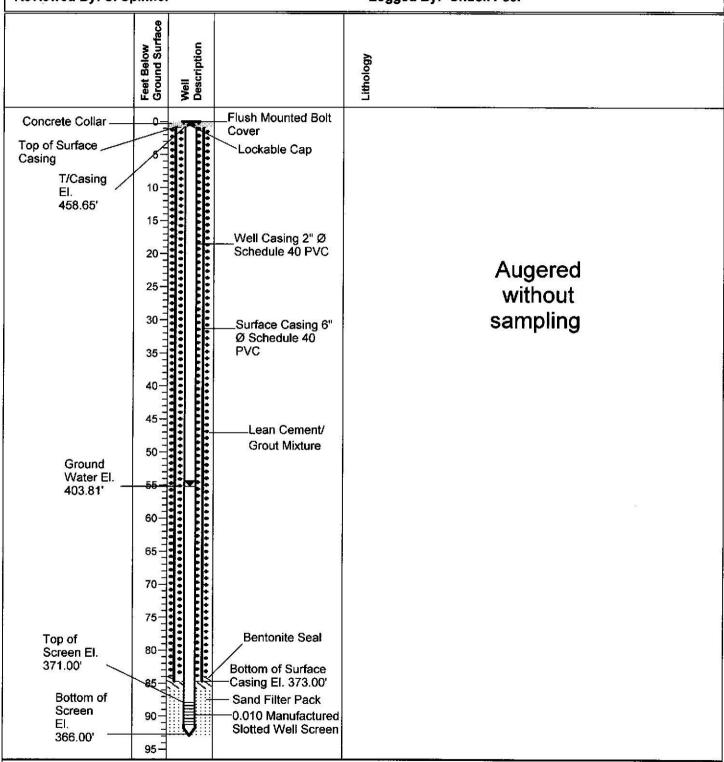
Client: BorgWarner, Inc. Reviewed By: S. Spinner Well Number: MW-21B

Coordinates: E- 2288129.37

N-904679.22

Ground Surface: 459.00

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 7/3/2007 Drilling Ended: 7/16/2007

Project: Groundwater Assessment Well Number: MW-22 Location: Crystal Springs, MS Coordinates: E- 2286757.99 N-904576.75 Client: BorgWarner, Inc. Ground Surface: 447.92 Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. **Bolt Cover** 447.54 Lockable Cap Concrete Collar 10 15 Well Casing 2" Ø 20-Schedule 40 PVC Augered 25 without 30 sampling Lean Cement/ 35 **Grout Mixture** 40-Ground Water El. 402.87 50-55 60-65 Bentonite Seal Top of Screen El. Sand Filter Pack 362.42 90 0.010 Bottom of Manufactured Screen El. Slotted Well 352.42 Screen 100-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 6/12/2007 Drilling Ended: 6/12/2007

Location: Crystal Springs, MS

Client: BorgWarner, Inc. Reviewed By: S. Spinner Well Number: MW-22

Coordinates: E- 2286757.99

N- 904576.75

Ground Surface: 447.92

Logged By: Chuck Peel

Reviewed By. 3. Spillile		 Logged by. Chuck Feel
Feet Below Ground Surface	Well Description	Lithology
105		
115-		
125 130		
135		
145		
155— 160— 165—		
165— 170— 175— 175—		-
180		
185 190 195		
200-		

Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 6/12/2007 Drilling Ended: 6/12/2007

Well Number: MW-23A **Project: Groundwater Assessment** Coordinates: E- 2287676.78 Location: Crystal Springs, MS N- 904102.86 Ground Surface: 440.62 Client: BorgWarner, Inc. Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/Casing El. **Bolt Cover** 440.12 Lockable Cap Concrete . Collar Well Casing 2" Ø **Augered** Schedule 40 PVC without sampling 20-Lean Cement/ **Grout Mixture** Bentonite Seal Top of Screen El. Sand Filter Pack 405.62 Ground Water El. 403.37' 40-0.010 Manufactured Slotted Well Screen Bottom of Screen El. 395.62" Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger**

Drilling Started: 6/15/2007 Drilling Ended: 6/15/2007

Location: Crystal Springs, MS

Client: BorgWarner, Inc.

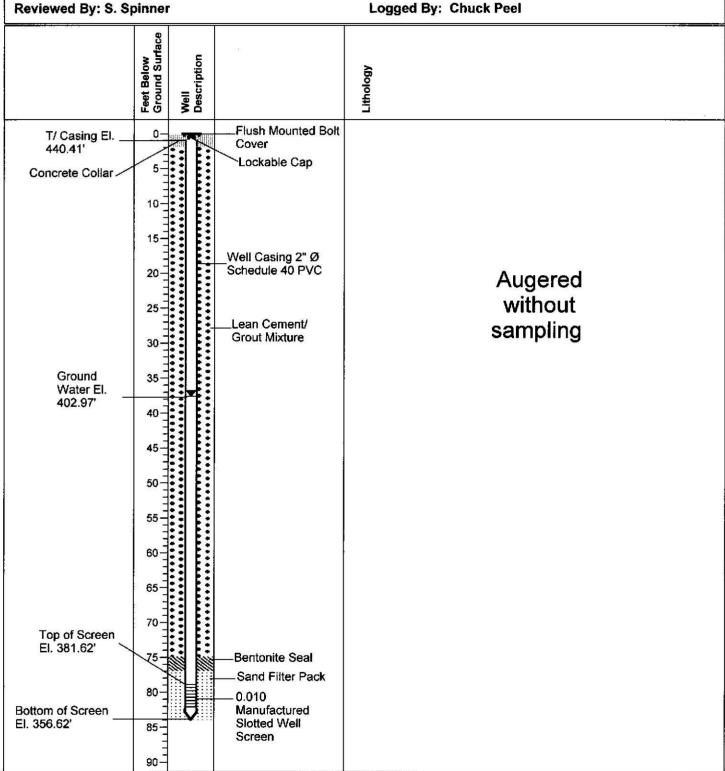
Well Number: MW-23B

Coordinates: E- 2287670.26

N-904103.17

Ground Surface: 440.62

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 6/14/2007 Drilling Ended: 6/14/2007

Location: Crystal Springs, MS

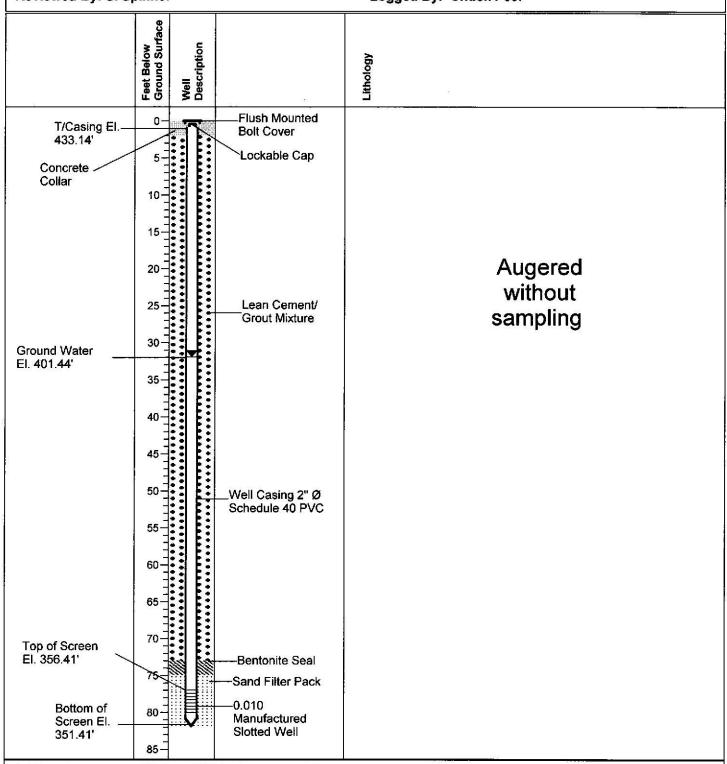
Client: BorgWarner, Inc. Reviewed By: S. Spinner Well Number: MW-24

Coordinates: E- 2286816.73

N-903581.39

Ground Surface: 433.41

Logged By: Chuck Peel



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger & Mud Auger

Drilling Equipment: Rotary Auger

Drilling Started: 7/5/2007 Drilling Ended: 7/5/2007

Well Number: MW-25 **Project: Groundwater Assessment** Coordinates: E- 2287832.40 Location: Crystal Springs, MS N-902801.60 **Ground Surface: 451.26** Client: BorgWarner, Inc. Reviewed By: S. Spinner Logged By: Chuck Peel Feet Below Ground Surface Well Description Lithology Flush Mounted T/ Casing El. -**Bolt Cover** 450.95 Lockable Cap Concrete Collar . 10 Well Casing 2" Ø Augered Schedule 40 PVC without 30 sampling Lean Cement/ 35 **Grout Mixture** 40 45 50-**Ground Water** El. 400.061 55 60 65 70 75 80 Top of Screen El. 90 353.26' Bentonite Seal Sand Filter Pack 100 0.010 Bottom of Manufactured 105 Screen El. Slotted Well 343.26 Screen 110-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger & Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 7/13/2007 Drilling Ended: 7/13/2007

Project: Groundwater Assessment Well Number: MW-26 Coordinates: E- 2288229.07 N-903092.89 Location: Crystal Springs, MS Ground Surface: 459.61 Client: BorgWarner, Inc. Logged By: Chuck Peel Reviewed By: S. Spinner Feet Below Ground Surface Well Description Lithology Flush Mounted Bolt T/Casing El. -459.37 Lockable Cap Concrete -Collar 10 20 Well Casing 2" Ø Augered 25 Schedule 40 PVC without 30 sampling 35 Lean Cement/ 40 **Grout Mixture** 50 55 Ground Water El. 399.96 65 70 80 85 Bentonite Seal 90

Drilling Contractor: Walker-Hill Environmental, Inc.

Sand Filter Pack

Manufactured

Slotted Well

0.010

Screen

Drilling Method: Rotary Auger & Mud Auger

95-

100-

105-

Drilling Equipment: Rotary Auger

Drilling Started: 6/13/2007 Drilling Ended: 6/13/2007

Top of Screen

Bottom of

Screen

357.61

El. 367.61'

EI.

Location: Crystal Springs, MS

Client: BorgWarner, Inc.
Reviewed By: S. Spinner

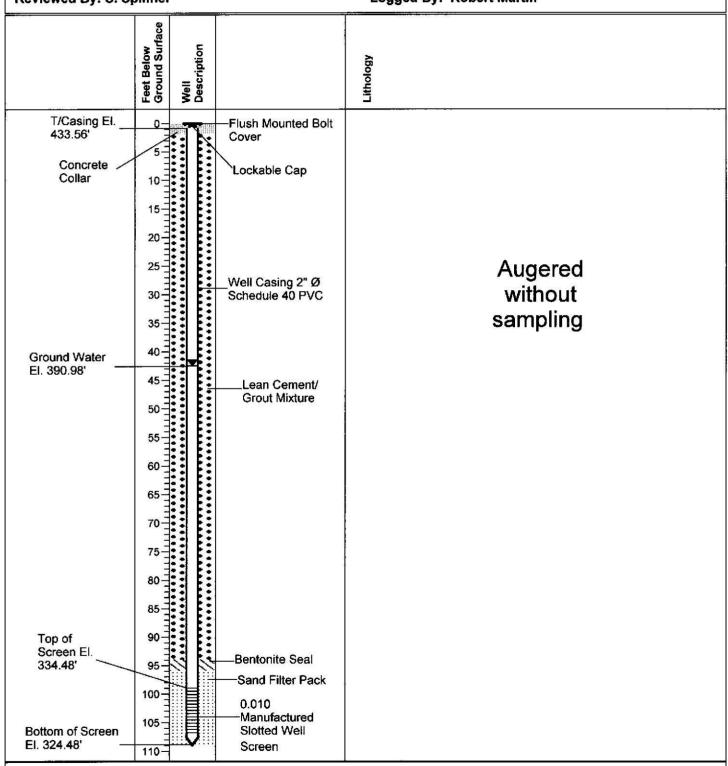
Weil Number: MW-27

Coordinates: E- 2287498.52

N- 902206.54

Ground Surface: 433.48

Logged By: Robert Martin



Drilling Contractor: Walker-Hill Environmental, Inc.

Drilling Method: Rotary Auger/Mud Rotary

Drilling Equipment: Rotary Auger

Drilling Started: 7/17/2007 Drilling Ended: 7/17/2007

Project: Groundwater Assessment Well Number: MW-9 Coordinates: E- 2289234.47 Location: Crystal Springs, MS N-905266.08 Client: BorgWarner, Inc. **Ground Surface: 470.21** Reviewed By: S. Spinner Logged By: Robert Martin Feet Below Ground Surface Well Description Lithology Flush Mounted Bolt T/ Casing El. Cover 470.03 Lockable Cap Concrete Collar 10 15 Augered Well Casing 2" Ø 20 Schedule 40 PVC without sampling 25 30 Lean Cement/ 35-Grout Mixture 40 45 50 Top of Screen 55-El. 409.21' Bentonite Seal 60 Sand Filter Pack Ground Water El. 65 405.81 0.010 Manufactured 70 Slotted Well Screen Bottom of Screen El. 75. 394.21 80-Drilling Contractor: Walker-Hill Environmental, Inc. **Drilling Method: Rotary Auger/Mud Auger Drilling Equipment: Rotary Auger** Drilling Started: 3/3/2005

Drifling Ended: 3/3/2005