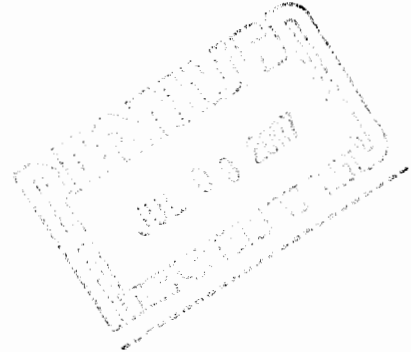


June 1, 2007

Robert Martin
Martin and Slagle
P.O. Box 1023
Black Mountain, NC 28711



Dear Mr. Martin,

Enclosed is the Technical Memorandum for VOC work recently performed at the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, MS. If you have any questions concerning this information, give me a call.

Sincerely,

Kari Ann Gilman
for Joseph Kubale

Enclosure

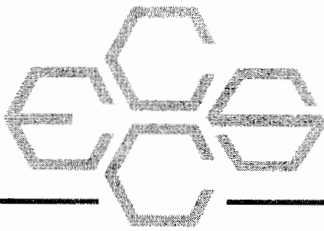
Environmental Chemistry Consulting Services, Inc.

2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

Technical Memorandum

Kuhlman Electric Corporation (KEC)

Crystal Springs, Mississippi



TECHNICAL MEMORANDUM

June 1, 2007

To: Robert Martin
Martin and Slagle

From: Joseph Kubale *JK*
ECCS

Re: Field Analytical Methods
1,4-Dioxane
Kuhlman Electric Corporation (KEC)
Crystal Springs, MS

Introduction

This Technical Memorandum provides documentation of the field analytical test methods used to analyze well water samples collected November 8, 2006 near the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, MS. The samples were analyzed direct injection GC/MSD/SIM for the 1,4-Dioxane.

Narrative

Waters

Water samples were extracted then analyzed for 1,4-Dioxane by direct injection GC/MSD/SIM.

The report limit for 1,4-Dioxane is 1.0 μ g/L for water samples.

A summary of test results is provided in Table 1. A summary of method blanks and matrix spike/matrix spike duplicate data is provided in Table 2.

In addition copies of the chain of custody sheets can be found in appendix A.

1,4-Dioxane Method Summary

Water Samples

Water samples were provided by the client to the field lab in 40mL VOC vials. Two 40mL VOC vials were transferred to the filtering apparatus, spiked with 40 μ L 25 μ g/mL surrogate solution and 40 μ L 25 μ g/mL spike solution (if necessary) then filtered through a 3M 2272 activated carbon disk. The activated carbon disk was placed in a 3 dram vial containing 8mL acetone and sonicated for 15 minutes. An 0.8mL aliquot of the sample extract was spiked with 10 μ L 25 μ g/mL internal standard solution and analyzed by direct inject GC/MSD/SIM.

GC/MSD Procedure:

Identification of the target compound was done by matching retention times, quantitation and qualifier ion relative responses to that of an authentic standard. Quantitation is accomplished by comparing the response of the major (quantitation) ion relative to an internal standard using a seven point calibration curve. These levels equate to 0.5, 1.0, 2.5, 5.0, 10, 50 and 100 μ g/L for water samples.

A Hewlett-Packard 5890 Series II gas chromatograph with a 30m x 0.32mm 1.8 μ film, RTX-624 micro-capillary column interfaced to a Hewlett-Packard 5972 MSD was used. The data system included a Hewlett-Packard Enviroquant chromatography workstation for data handling.

Quality control consisted of the following items:

- Initial calibration with % relative standard deviation less than 15% of individual response factors obtained from analysis of calibration standards
- Continuing Calibration Verification standards analyzed at a frequency of every ten samples
- Surrogate standard additions to samples
- Blank samples analyzed at a minimum of one per day
- Matrix spike and Matrix Spike Duplicate samples analyzed for every twenty samples
- Information documented in Field Logbook 150.

Table 1

Sample Results – November'06

TABLE 1

Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

	W1737	W1738	W1739	W1740	W1741	W1742	W1743	W1744	W1745
	CSW WA8 005	CSW WA3 005	CSW FB 005	CSW WA1 005	CSW WA2 005	CSW WA5 001	CSW WA6 001	CSW TP 005	CSW Dup
Depth	-	-	-	-	-	-	-	-	-
Date Collected	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06
Time Collected	8:30	8:45	9:10	9:15	9:30	9:45	10:00	10:20	-
Date Analyzed	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06	8-Nov-06
Reporting Limit									
ug/L									
1,4-Dioxane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Surrogates:									
1,4-Dioxane-D8	84.8	85.5	85.7	86.3	84.8	87.9	88.6	87.2	84.7

Table 2

QC Results – November'06

TABLE 2
QC Report

Lab # associated with qc samples: W1737 through W1745

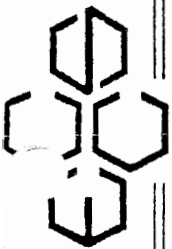
	Matrix	Matrix		
	Spike	Spike		
	W1745	Duplicate	Blank	LCS
		W1745		

Date Analyzed:	11/9/06	11/9/06	11/9/06	11/9/06
----------------	---------	---------	---------	---------

Compound	% Rec		% Rec		% RPD	ug/L	% Rec
1,4-Dioxane	90.7%		89.0%		2%	< 5.0	83.2%

Appendix A

Chain of Custody Sheets for Samples



**Environmental Chemistry
Consulting Services, Inc.**

2525 Advance Road
Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. **013333** *
Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due:

Project Number:		Mail Report To:					
Project Name: KUHLMAN ELECTRIC		Company: MARTIN + SCALE					
Project Location: (HYDRA-SPRINGS)		Address:					
Sampled By (Print): Chuck Peal							
Sample Description	Collection		Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time					
CSW-WA8-005	11/8/06	0830	4	A	8260B + 1,4DIOXANE		W1737
CSW-WA3-005		0945	10	A/B			W1738
CSW-FB-005		0910	4	A			W1739
CSW-WA1-005		0915	4	A			W1740
CSW-WA2-005		0930	4	A			W1741
CSW-WA5-001		0945	4	A			W1742
CSW-WA6-001		1000	4	A			W1743
CSW-TP-005		1020	4	A			W1744
Duplicate			9	A/B			W1745
*Preservation Code		Relinquished By:		Date/Time:		Received By:	
A=None B=HCL C=H2SO4		Charles O. M. Peal		11/8/06 1030		<i>[Signature]</i>	
D=HNO3 E=EnCore F=Methanol		Relinquished By:		Date/Time:		Received By:	
G=NaOH O=Other(Indicate)						<i>[Signature]</i>	
Custody Seal: Present/Absent		Intact/Not Intact		Seal #s		Receipt Temp:	
Shipped Via:						Temp Blank Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	