

July 24, 2008

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,


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

July 24, 2008

To: Robert Martin
Martin and Slagle

From: Joseph Kubale 
ECCS

Re: Analytical Methods
Volatile Organic Compounds (VOC) , 1,4-Dioxane
Kuhlman Electric Corporation (KEC)
Crystal Springs, MS

Introduction

This Technical Memorandum provides documentation of the analytical test methods used to analyze water samples collected in June 2008 during the city well groundwater sampling event near the Kuhlman Electric Corporation (KEC) facility in Crystal Springs, MS. The samples were analyzed by purge and trap GC/MSD for the VOCs listed below and by direct injection GC/MSD/SIM for 1,4-Dioxane.

Narrative

Waters

Water samples were analyzed for VOCs directly by purge and trap GC/MSD and for 1,4-Dioxane by direct injection GC/MSD/SIM.

The following report limits were used for water samples. The reporting limit units are in ug/L.

	Purge and Trap GC/MSD
Dichlorodifluoromethane	1.0
Chloromethane	1.0
Vinyl chloride	1.0
Bromomethane	1.0
Chloroethane	1.0
Trichlorofluoromethane	1.0

Environmental Chemistry Consulting Services, Inc.

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

Purge and Trap GC/MSD

1,1-Dichloroethene	1.0
Methylene chloride	1.0
trans-1,2-Dichloroethene	1.0
1,1-Dichloroethane	1.0
cis-1,2-Dichloroethene	1.0
2,2-Dichloropropane	1.0
Bromochloromethane	1.0
Chloroform	1.0
1,1,1-Trichloroethane	1.0
1,1-Dichloropropene	1.0
Carbon tetrachloride	1.0
Benzene	1.0
1,2-Dichloroethane	1.0
Trichloroethene	1.0
1,2-Dichloropropane	1.0
Dibromomethane	1.0
Bromodichloromethane	1.0
cis-1,3-Dichloropropene	1.0
Toluene	1.0
trans-1,3-Dichloropropene	1.0
1,1,2-Trichloroethane	1.0
Tetrachloroethene	1.0
1,3-Dichloropropane	2.0
Dibromochloromethane	1.0
1,2-Dibromoethane	1.0
Chlorobenzene	1.0
1,1,1,2-Tetrachloroethane	1.0
Ethyl benzene	1.0
Xylenes, total	2.0
Styrene	1.0
Bromoform	2.0
Isopropylbenzene	1.0
1,1,2,2-Tetrachloroethane	2.0
Bromobenzene	1.0
1,2,3-Trichloropropane	2.0
n-Propylbenzene	1.0
2-Chlorotoluene	1.0
1,3,5-Trimethylbenzene	1.0
4-Chlorotoluene	1.0
tert-Butylbenzene	1.0
1,2,4-Trimethylbenzene	1.0
sec-Butylbenzene	1.0
1,3-Dichlorobenzene	1.0
p-Isopropyltoluene	1.0
1,4-Dichlorobenzene	1.0
n-Butylbenzene	1.0
1,2-Dichlorobenzene	1.0
1,2-Dibromo-3-chloropropane	2.0
1,3,5-Trichlorobenzene	1.0
1,2,4-Trichlorobenzene	1.0
Hexachlorobutadiene	1.0

	Purge and Trap GC/MSD
Naphthalene	3.0
1,2,3-Trichlorobenzene	1.0

	Direct Injection GC/MSD/SIM
1,4-Dioxane	1.0

A summary of volatile test results is provided in Table 1. A summary of 1,4-Dioxane results is provided in table 2. A summary of method blanks and matrix spike/matrix spike duplicate data is provided in Table 3 and 4, respectively.

In addition copies of the chain of custody sheets and shipping sheets can be found in appendix A through C.

- A) Chain of custody sheets for samples
- B) FEDEX shipping label for Columbia Analytical Services, Inc.
- C) Chain of custody sheets for samples sent to Columbia Analytical Services, Inc.

VOC Method Summary

Water Samples

Water samples were provided by the client to the lab in 40mL VOC vials. A 10mL aliquot of the sample was withdrawn from the vial with a 10mL Luer-Lok™ syringe. 10 µL of a 25µg/mL surrogate and internal standard solution was added to the sample in the 10 mL syringe. The sample was then immediately loaded onto a Tekmar ALS 2016 autosampler with a Tekmar LSC 2000 purge and trap concentrator for GC/MSD analysis.

GC/MSD Procedure:

Identification of target compounds was done by matching retention times and mass spectra of peaks found in samples to those found in a VOC calibration standard using the internal standards as time reference peaks. Quantitation was performed by the internal standard technique using a seven point standard curve generated from 5, 10, 20, 50, 100, 250, and 500 ng standards. These levels equate to 0.5, 1.0, 2.0, 5.0, 10, 25 and 50 µg/L for water samples.

A Hewlett-Packard 5890 gas chromatograph with a 30m x 0.32mm 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 or less
- Surrogate standard additions to samples
- Blank and LCS samples analyzed every twenty samples or less with a minimum of one per day per matrix.
- MS/MSD samples analyzed every twenty samples or less per matrix.
- Information documented in Logbook 150.

1,4-Dioxane Method Summary

Water Samples

Water samples were provided by the client to the lab in 1L amber bottle. 200 grams of sample was transferred to the filtering apparatus, spiked with 40uL 25ug/mL surrogate solution and 40uL 25ug/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 methanol and sonicated for 15 minutes. A 0.8mL aliquot of the sample extract was spiked with 10uL 25ug/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 ug/L for water samples.

A Hewlett-Packard 5890 Series II gas chromatograph with a 30m x 0.32mm 1.8u 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 or less
- Surrogate standard additions to samples
- Blank and LCS samples analyzed every twenty samples or less with a minimum of one per day per matrix.
- MS/MSD samples analyzed every twenty samples or less per matrix.
- Information documented in Logbook 150.

Table 1

Sample Results Volatiles– June

TABLE 1
Kuhman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water

VOLATILES	Depth Date Collected Time Collected Date Analyzed Reporting Limit	Reporting Limit													
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Xylenes, Total	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	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
Bromoform	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Isopropylbenzene	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
1,1,2,2-Tetrachloroethane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Bromobenzene	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
1,2,3-Trichloropropane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
n-Propylbenzene	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
2-Chlorotoluene	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
1,3,5-Trimethylbenzene	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
4-Chlorotoluene	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
tert-Butylbenzene	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
1,2,4-Trimethylbenzene	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
sec-Butylbenzene	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
1,3-Dichlorobenzene	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
p-Isopropyltoluene	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
1,4-Dichlorobenzene	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
n-Butylbenzene	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
1,2-Dichlorobenzene	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
1,2-Dibromo-3-Chloropropane	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trichlorobenzene	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
1,2,4-Trichlorobenzene	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
Hexachlorobutadiene	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
Naphthalene	3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	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
Surrogates:															
Dibromofluoromethane	%	102	101	99.8	100	101	101	101	101	101	101	101	101	100	104
Toluene-D8	%	95.2	97.0	97.4	105	96.3	105	98.4	103	98.9	98.9	103	98.9	98.9	98.9
4-Bromofluorobenzene	%	94.4	98.0	95.9	105	98.2	103	96.8	97.4	93.2	93.2	97.4	93.2	93.2	93.2

Table 2

Sample Results 1,4-Dioxane– June

TABLE 2
Kuhlman Electric - Crystal Springs, Mississippi - 1,4-Dioxane Detected in Water

VOLATILES	Depth	Date Collected Time Collected	Date Analyzed Reporting Limit	ug/L	Kuhlman Electric - Crystal Springs, Mississippi - 1,4-Dioxane Detected in Water															
					W/2332 CSW WA8 025	W/2333 CSW WA3 025	W/2334 CSW WA1 025	W/2335 CSW WA2 025	W/2336 CSW FB 025	W/2337 CSW WA5 020	W/2338 CSW WA6 020	W/2339 CSW TP 025	W/2340 CSW Duplicate							
1,4-Dioxane	1.0	<	1.0	<	1.0	1.4	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	1.4	
Surrogates:																				
1,4-Dioxane-D8	%	106	104	114	114	111	102	113	121	108										

Table 3

QC Results Volatiles– June

TABLE 3
QC Report

Lab # associated with qc samples: W2332 through W2340

	Matrix	Matrix	
	Spike	Spike	
	Duplicate	Duplicate	Blank
	W2332	W2332	
Date Analyzed:	6/11/08	6/11/08	6/11/08

Compound	% Rec	% Rec	RPD	ug/L
Dichlorodifluoromethane	79.2%	84.6%	6.6%	< 1.0
Chloromethane	73.2%	93.4%	24.2%	< 1.0
Vinyl chloride	79.4%	84.4%	6.1%	< 1.0
Bromomethane	81.4%	95.8%	16.3%	< 1.0
Chloroethane	86.0%	97.8%	12.8%	< 1.0
Trichlorofluoromethane	83.4%	83.6%	0.2%	< 1.0
1,1-Dichloroethene	79.8%	84.4%	5.6%	< 1.0
Methylene chloride	102%	101%	1.2%	< 1.0
trans-1,2-Dichloroethene	76.0%	77.8%	2.3%	< 1.0
1,1-Dichloroethane	91.8%	89.6%	2.4%	< 1.0
cis-1,2-Dichloroethene	88.8%	88.4%	0.5%	< 1.0
2,2-Dichloropropane	81.4%	78.0%	4.3%	< 1.0
Bromochloromethane	88.6%	88.0%	0.7%	< 1.0
Chloroform	94.0%	91.6%	2.6%	< 1.0
1,1,1-Trichloroethane	87.6%	84.0%	4.2%	< 1.0
1,1-Dichloropropene	81.2%	79.4%	2.2%	< 1.0
Carbon tetrachloride	81.2%	84.8%	4.3%	< 1.0
Benzene	86.4%	86.0%	0.5%	< 1.0
1,2-Dichloroethane	88.4%	88.2%	0.2%	< 1.0
Trichloroethene	87.8%	88.0%	0.2%	< 1.0
1,2-Dichloropropane	92.0%	88.4%	4.0%	< 1.0
Dibromomethane	93.6%	91.8%	1.9%	< 1.0
Bromodichloromethane	94.6%	93.2%	1.5%	< 1.0
cis-1,3-Dichloropropene	90.0%	89.4%	0.7%	< 2.0
Toluene	91.8%	95.6%	4.1%	< 1.0
trans-1,3-Dichloropropene	95.0%	94.4%	0.6%	< 1.0
1,1,2-Trichloroethane	99.8%	101%	1.2%	< 1.0
Tetrachloroethene	90.0%	92.4%	2.6%	< 1.0
1,3-Dichloropropane	98.0%	97.4%	0.6%	< 1.0
Dibromochloromethane	100%	99.2%	1.0%	< 1.0
1,2-Dibromoethane	98.0%	97.6%	0.4%	< 1.0
Chlorobenzene	94.4%	94.6%	0.2%	< 1.0
1,1,1,2-Tetrachloroethane	91.2%	90.0%	1.3%	< 1.0
Ethyl benzene	90.0%	89.8%	0.2%	< 1.0
Xylenes, Total	91.2%	92.3%	1.2%	< 2.0
Styrene	94.6%	97.0%	2.5%	< 1.0
Bromoform	92.4%	93.6%	1.3%	< 2.0

TABLE 3
QC Report

Lab # associated with qc samples: W2332 through W2340

	Matrix	Matrix	
	Spike	Spike	
	Duplicate	Duplicate	Blank
	W2332	W2332	
Date Analyzed:	6/11/08	6/11/08	6/11/08

Compound	% Rec	% Rec	RPD	ug/L
Isopropylbenzene	93.2%	96.8%	3.8%	< 1.0
1,1,2,2-Tetrachloroethane	100%	102%	1.8%	< 2.0
Bromobenzene	96.8%	103%	8.4%	< 1.0
1,2,3-Trichloropropane	100%	103%	2.4%	< 2.0
n-Propylbenzene	97.6%	103%	5.4%	< 1.0
2-Chlorotoluene	100%	106%	5.2%	< 1.0
1,3,5-Trimethylbenzene	99.8%	104%	4.1%	< 1.0
4-Chlorotoluene	105%	107%	2.3%	< 1.0
tert-Butylbenzene	101%	107%	6.2%	< 1.0
1,2,4-Trimethylbenzene	102%	107%	5.0%	< 1.0
sec-Butylbenzene	104%	107%	3.2%	< 1.0
1,3-Dichlorobenzene	101%	101%	0.0%	< 1.0
p-Isopropyltoluene	98.6%	99.2%	0.6%	< 1.0
1,4-Dichlorobenzene	96.4%	99.0%	2.7%	< 1.0
n-Butylbenzene	98.2%	102%	3.6%	< 1.0
1,2-Dichlorobenzene	98.4%	103%	4.2%	< 1.0
1,2-Dibromo-3-chloropropane	97.8%	96.6%	1.2%	< 2.0
1,3,5-Trichlorobenzene	98.8%	103%	4.5%	< 1.0
1,2,4-Trichlorobenzene	99.4%	102%	2.6%	< 1.0
Hexachlorobutadiene	98.4%	101%	2.8%	< 1.0
Naphthalene	97.2%	97.8%	0.6%	< 3.0
1,2,3-Trichlorobenzene	101%	103%	2.0%	< 1.0

Table 4

QC Results 1,4-Dioxane– June

TABLE 4
QC Report

Lab # associated with qc samples: W2332 through W2340

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2332	W2332		
Date Extracted:	06/10/08	06/10/08	06/10/08	06/10/08
Date Analyzed:	06/13/08	06/13/08	06/13/08	06/12/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	109%		117%	7.1%		100%	< 1.0

Appendix A

Chain of Custody Sheets for Samples



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53716
 Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY
 City, WI 53716

No. **013708**

Page **1** of **1**

Turn Around (circle one) Normal Rush

Report Due:

Invoice To

Company:

Address:

Project Number:

Project Name: **WILHELM**

Project Location: **CADWIN STARS**

Mail Report To

Company: **WILHELM + STACER**

Address:

Shuck Peak

P.O. No.:

Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number	
	Date	Time							
CSW-WAF-025	6/10/08	0810	W	4	A	E2006 + 14D.ream		W2332	
CSW-WA3-025		0820		4	A			W2333	
CSW-WA1-025		0830		11	A/B			W2334	
CSW-WA2-025		0837		4	A			W2335	
CSW-FA-025		0840		3	A			W2336	
CSW-WA5-020		0910		4	A			W2337	
CSW-WA6-020		0920		4	A			W2338	
CSW-TR-025		0932		7	A/B			W2339	
DUPLICATE				7	A/B			W2340	
<i>[Signature]</i>									
*Preservation Code		Relinquished By:		Date/Time:		Received By:		Date/Time:	
A=None B=HCL C=H2SO4		<i>Shuck Peak</i>		6/10/08 1000		<i>[Signature]</i>		6/10/08 1000	
D=HNO3 E=EnCore F=Methanol		Relinquished By:		Date/Time:		Received By:		Date/Time:	
G=NaOH Q=Other (Indicate)									
Custody Seal: Present/Absent		Intact/Not Intact		Seal #s		Receipt Temp:		Temp Blank Y N	

Appendix B

FEDEX shipping label for Columbia Analytical Services, Inc.



USA Air Mail

FedEx Tracking Number

837784146484

Form 10-04

0200

FROM **From you and your company**
Date **6/10/08** Sender's FedEx Account Number **226281991**

Sender's Name **Joe Kubala** Phone **(609) 385-1974**

Company **ECS, INC**

Address **2525 ADVANCE RD**

City **MADISON** State **WI** Zip **53718**

Your Internal Billing Reference
FedEx numbers will appear on invoice

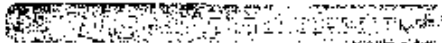
To Recipient's Name
Phone **360 | 577-7222**

Company **COLUMBIA ANALYTICAL**

Address
In "RETURN" or FedEx location, give FedEx address

Address **1317 So. 13th Ave**

City **KELSO** State **WA** ZIP **98626**



By using this Airbill, you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3330

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx First Overnight

FedEx 2Day
 FedEx Express Saver

4b Express Freight Service
 FedEx 1Day Freight®
 FedEx 2Day Freight
 FedEx 3Day Freight

5 Packaging
 FedEx Envelopes®
 FedEx Pak®
 Other

6 Special Handling
 SATURDAY Delivery
 HOLD Warehouse at FedEx Location
 HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?
 No
 Yes
 Yes Shipper's Declaration Required
 Dry Ice
 Cargot Aircraft Only

7 Payment Bill to:
 Sender
 Recipient
 Third Party
 Credit Card
 Cash/Check

Total Packages: _____ Total Weight: _____ Total Declared Value† \$ _____ .00
† Use kilograms (under 2500) unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Special delivery services require signature

By signing was authorized to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

446

USA AIR MAIL 0200 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000

Appendix C

Chain of Custody Sheets for samples sent to Columbia Analytical Services, Inc.



Atty: [unreadable] - [unreadable]

CHAIN OF CUSTODY

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1088

PAGE _____ OF _____ COC # _____

SR# _____

PROJECT NAME	KURUMBU ELECTRIC			
PROJECT NUMBER	103877			
PROJECT MANAGER	ROBERT MATTHEW			
COMPANY ADDRESS	MATTHEW & SUGLE			
CITY/STATE/ZIP	GUMMERSVILLE NC			
EMAIL ADDRESS	[unreadable]			
PHONE #	[unreadable]			
FAX #	[unreadable]			
LABORATORY	COLUMBIA ANALYTICAL SERVICES			
ANALYST	[unreadable]			
DATE	[unreadable]			
TIME	[unreadable]			
LAB I.D.	[unreadable]			
MATRIX	[unreadable]			
SAMPLE ID	DATE	TIME	LAB I.D.	MATRIX
CSW-1-025	1/10/08	0730	W 6	W 6
CSW-1-026	1/10/08	0730	W 4	W 4
TRIP BLANK			W 1	W 1
REPORT REQUIREMENTS				
I. Routine Report: Method Blank, Surrogate, as required				
X II. Report Dup., MS, MSD as required				
III. Data Validation Report (includes all raw data)				
IV. CLP Deliverable Report				
V. EDO				
INVOICE INFORMATION				
P.O. # _____				
Bill To: <u>Robert Matthews</u>				
TURNAROUND REQUIREMENTS				
24 hr. _____ 48 hr. _____				
5 Day _____				
X Standard (10-15 working days)				
Provide FAX Results _____				
Requested Report Date _____				
NUMBER OF CONTAINERS				
Semi-volatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>				
Volatile Organics 624 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>				
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>				
<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen				
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>				
PCBs Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>				
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>				
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>				
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>				
Metals, Total or Dissolved (See list below)				
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>				
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (Circle)				
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃				
TOX 8020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>				
1,4 Dioxin by P270 SW				
REMARKS				
[Handwritten notes and signatures]				
RELINQUISHED BY:				
Signature: <u>[Signature]</u>	Date/Time: <u>1/10/08</u>			
Printed Name: <u>[Name]</u>	Firm: <u>[Firm]</u>			
RECEIVED BY:				
Signature: _____	Date/Time: _____			
Printed Name: _____	Firm: _____			
RELINQUISHED BY:				
Signature: _____	Date/Time: _____			
Printed Name: _____	Firm: _____			
RECEIVED BY:				
Signature: _____	Date/Time: _____			
Printed Name: _____	Firm: _____			