

September 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,

 Joseph Kubale

Enclosure

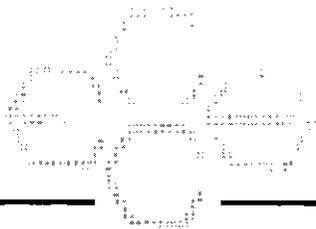
Environmental Chemistry Consulting Services, Inc.

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

September 24, 2008

To: Robert Martin
Martin and Slagle

From: Joseph Kubale *JK*
ECCS

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

6

Introduction

This Technical Memorandum provides documentation of the analytical test methods used to analyze water samples collected in September 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

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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 196.

Table 1

Sample Results Volatiles– September

TABLE 1

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

VOLATILES	Depth	Date Collected	Time Collected	Date Analyzed	Reporting Limit	Kuhlman Electric - Crystal Springs, Mississippi - Volatiles Detected in Water											
						W2428	W2429	W2430	W2431	W2432	W2433	W2434	W2435	W2436			
Xylenes, Total	2.0	9-Sep-08	8:15	9-Sep-08	ug/L	< 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
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
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
1,1,2,2-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
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
1,2,3-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
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
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
1,3,5-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
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
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
1,2,4-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
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
1,3-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
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
1,4-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
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
1,2-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
1,2-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
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
1,2,4-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
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
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
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
Surrogates:																	
Dibromofluoromethane	%					103	103	100	103	103	103	103	103	103	102	104	103
Toluene-D8	%					98.8	100	102	103	103	103	103	103	101	101	101	101
4-Bromofluorobenzene	%					92.6	92.3	97.2	95.6	93.8	94.7	94.2	93.5	97.4			

Table 2

Sample Results 1,4-Dioxane– September

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

VOLATILES	Reporting Limit ug/L	Date Collected		Date Analyzed		Depth	W2428	W2429	W2430	W2431	W2432	W2433	W2434	W2435	W2436			
		Time Collected	Time Collected	Date Analyzed	Date Analyzed													
1,4-Dioxane	1.0	<	1.0	<	1.0		W2428 CSW W/A8 028	W2429 CSW W/A3 028	W2430 CSW W/A1 028	W2431 CSW W/A2 028	W2432 CSW W/A5 023	W2433 CSW W/A6 023	W2434 CSW TP 028	W2435 CSW FB 028	W2436 CSW Duplicate			
Surrogates:																		
1,4-Dioxane-D8	%		92.3		94.2				90.4		90.1		94.1		80.0	92.1	88.0	86.1

Table 3

QC Results Volatiles– September

TABLE 3
QC Report

Lab # associated with qc samples: W2428 through W2436

	Matrix	Matrix	
	Spike	Spike	
	W2428	W2428	Blank
Date Analyzed:	09/10/08	09/10/08	09/09/08

Compound	% Rec	% Rec	RPD	ug/L
Dichlorodifluoromethane	103%	104%	0.8%	< 1.0
Chloromethane	111%	106%	4.8%	< 1.0
Vinyl chloride	106%	104%	1.3%	< 1.0
Bromomethane	106%	104%	1.3%	< 1.0
Chloroethane	108%	104%	3.6%	< 1.0
Trichlorofluoromethane	110%	109%	0.7%	< 1.0
1,1-Dichloroethene	104%	101%	3.3%	< 1.0
Methylene chloride	100%	99.4%	1.0%	< 1.0
trans-1,2-Dichloroethene	105%	104%	0.2%	< 1.0
1,1-Dichloroethane	100%	102%	2.0%	< 1.0
cis-1,2-Dichloroethene	96.2%	98.6%	2.5%	< 1.0
2,2-Dichloropropane	101%	101%	0.4%	< 1.0
Bromochloromethane	97.2%	93.4%	4.0%	< 1.0
Chloroform	101%	100%	0.8%	< 1.0
1,1,1-Trichloroethane	102%	102%	0.2%	< 1.0
1,1-Dichloropropene	98.8%	101%	2.0%	< 1.0
Carbon tetrachloride	103%	107%	3.2%	< 1.0
Benzene	102%	100%	1.8%	< 1.0
1,2-Dichloroethane	100%	96.8%	3.3%	< 1.0
Trichloroethene	97.4%	99.8%	2.4%	< 1.0
1,2-Dichloropropane	95.0%	96.6%	1.7%	< 1.0
Dibromomethane	93.6%	90.2%	3.7%	< 1.0
Bromodichloromethane	95.8%	94.4%	1.5%	< 1.0
cis-1,3-Dichloropropene	89.6%	90.4%	0.9%	< 2.0
Toluene	99.8%	102%	1.8%	< 1.0
trans-1,3-Dichloropropene	89.8%	89.4%	0.4%	< 1.0
1,1,2-Trichloroethane	92.2%	91.0%	1.3%	< 1.0
Tetrachloroethene	94.8%	97.2%	2.5%	< 1.0
1,3-Dichloropropane	90.2%	90.6%	0.4%	< 1.0
Dibromochloromethane	87.4%	88.4%	1.1%	< 1.0
1,2-Dibromoethane	87.2%	86.0%	1.4%	< 1.0
Chlorobenzene	101%	100%	1.2%	< 1.0
1,1,1,2-Tetrachloroethane	99.8%	97.6%	2.2%	< 1.0
Ethyl benzene	100%	99.6%	0.4%	< 1.0
Xylenes, Total	100%	101%	1.2%	< 2.0
Styrene	96.0%	96.2%	0.2%	< 1.0
Bromoform	87.2%	84.8%	2.8%	< 2.0

TABLE 3
QC Report

Lab # associated with qc samples: W2428 through W2436

	Matrix	Matrix	
	Spike	Spike	
	W2428	Duplicate	Blank
	W2428	W2428	
Date Analyzed:	09/10/08	09/10/08	09/09/08

Compound	% Rec		% Rec	RPD		ug/L
Isopropylbenzene	95.8%		96.2%	0.4%		< 1.0
1,1,2,2-Tetrachloroethane	88.6%		91.6%	3.3%		< 2.0
Bromobenzene	96.4%		96.0%	0.4%		< 1.0
1,2,3-Trichloropropane	94.0%		93.0%	1.1%		< 2.0
n-Propylbenzene	100%		100%	0.2%		< 1.0
2-Chlorotoluene	100.6%		99.2%	1.4%		< 1.0
1,3,5-Trimethylbenzene	98.2%		96.6%	1.6%		< 1.0
4-Chlorotoluene	98.8%		98.0%	0.8%		< 1.0
tert-Butylbenzene	96.2%		94.8%	1.5%		< 1.0
1,2,4-Trimethylbenzene	96.8%		95.2%	1.7%		< 1.0
sec-Butylbenzene	97.4%		96.4%	1.0%		< 1.0
1,3-Dichlorobenzene	101%		105%	4.1%		< 1.0
p-Isopropyltoluene	98.6%		102%	3.4%		< 1.0
1,4-Dichlorobenzene	97.8%		101%	3.4%		< 1.0
n-Butylbenzene	103%		108%	4.6%		< 1.0
1,2-Dichlorobenzene	95.4%		99.0%	3.7%		< 1.0
1,2-Dibromo-3-chloropropane	90.2%		88.8%	1.6%		< 2.0
1,3,5-Trichlorobenzene	94.4%		99.8%	5.6%		< 1.0
1,2,4-Trichlorobenzene	87.2%		92.8%	6.2%		< 1.0
Hexachlorobutadiene	96.8%		95.8%	1.0%		< 1.0
Naphthalene	81.6%		86.0%	5.3%		< 3.0
1,2,3-Trichlorobenzene	90.0%		94.6%	5.0%		< 1.0

Table 4

QC Results 1,4-Dioxane– September

TABLE 4
QC Report

Lab # associated with qc samples: W2428 through W2436

	Matrix Spike	Matrix Spike Duplicate	LCS	Blank
	W2428	W2428		
Date Extracted:	09/09/08	09/09/08	09/09/08	09/09/08
Date Analyzed:	09/10/08	09/10/08	09/10/08	09/10/08

Compound	% Rec		% Rec	RPD		% Rec	ug/L
1,4-Dioxane	89.9%		86.7%	3.6%		93.5%	< 1.0

Appendix A

Chain of Custody Sheets for Samples



Environmental Chemistry Consulting Services, Inc.

2525 Advance Road
Phone 608-221-8700

Madison, WI 53718
FAX 608-221-4889

CHAIN OF CUSTODY
City Wells

No. **013764** *

Page 1 of 1
Turn Around (circle one) Normal Rush

Project Number:

Project Name: **KULUMAU ELECTRIC**

Project Location: **CRISTAL SPRINGS**

Sampled By (Print): *Charles Paul*

Charles Paul

Mail Report To:

Company: **MARTIN + STALL**

Address:

Invoice To:

Company:

Address:

P.O. No.:

Quote No.:

Sample Description	Collection		Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
	Date	Time						

CSW-WA8-028	9/9/08	0815	W	4	A	1,4 Dioxin + PCBs		W2428
-------------	--------	------	---	---	---	-------------------	--	-------

CSW-WA3-028		0827		4	A			W2429
-------------	--	------	--	---	---	--	--	-------

CSW-WA1-028		0840		7	A/B			W2430
-------------	--	------	--	---	-----	--	--	-------

CSW-WA2-028		0848		7	A/B			W2431
-------------	--	------	--	---	-----	--	--	-------

CSW-WA5-023		0922		4	A			W2432
-------------	--	------	--	---	---	--	--	-------

CSW-WA6-023		0938		4	A			W2433
-------------	--	------	--	---	---	--	--	-------

CSW-TP-028		0955		7	A/B			W2434
------------	--	------	--	---	-----	--	--	-------

CSW-FR-028		0852		4	A			W2435
------------	--	------	--	---	---	--	--	-------

DUPLICATE				7	A/B			W2436
-----------	--	--	--	---	-----	--	--	-------

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: *Charles Paul* Date/Time: 9/9/08 1000
Relinquished By: *George Mitchell* Date/Time: 9/9/08 1000

Received By: *George Mitchell* Date/Time: 9/9/08 1000

Temp Blank Y N *OK*

Shipped Via: _____

Appendix B

FEDEX shipping label for Columbia Analytical Services, Inc.

FedEx Express **USA Airbill** FedEx Tracking Number **837784146430**

1 From *Please print your name* Date 9/9/08 Sender's FedEx Account Number 2262 8199 1

Sender's Name Joe Kurke Phone (608) 345-1994

Company ECS, Inc

Address 2525 ADVANCE RD

City MADISON State WI ZIP 53719

2 Your Internal Billing Reference
 FedEx customers will appear on invoice.
 Recipient's Name SMILE CREDITORS Phone (360) 577-7222

Company COLUMBIA ANALYTICAL

Address 1317 SOUTH 13TH AVE

City KELSO State WA ZIP 98626

By online shipping at fedex.com

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 link our labels. Questions? Visit our Web site at fedex.com or call 1.800.Go.FedEx® 800.463.3339.

0200

4a Express Package Service
 FedEx Priority Overnight
 Next business morning
 FedEx Standard Overnight
 Next business afternoon
 FedEx Express Saver
 Second business day
 FedEx 2Day Freight*
 Next business day
 FedEx 1Day Freight*
 Next business day
 FedEx Express Freight Service
 FedEx 1Day Freight*
 Next business day
 FedEx 2Day Freight
 Second business day
 FedEx 3Day Freight
 Third business day
 Other

4b Express Freight Service
 FedEx 1Day Freight*
 Next business day
 FedEx 2Day Freight
 Second business day
 FedEx 3Day Freight
 Third business day
 Other

5 Packaging
 FedEx Envelope*
 FedEx Pak*
 Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sure/Pak
 Other

6 Special Handling
 Saturday Delivery
 Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
 HOLD Monday at FedEx Location
 2007 Available for FedEx Air Shipment
 HOLD Saturday at FedEx Location
 Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
 Does this shipment contain dangerous goods?
 No
 Yes as assigned Shipper's Declaration
 Yes Shipper's Declaration
 Dry Ice
 Dry Ice in IML IWS
 Cargo Aircraft Only

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

8 Release Signature
 Your liability is limited to \$100 unless you declare a higher value. See back for details.
 Sign or authorize delivery without delivery signature.

FedEx Acct. No. 2262 8199 1 Exp. Date
 Credit Card No. 2262 8199 1 Total Weight \$ Total Declared Value* \$ 100
 FedEx User Only

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
 Retain this copy for your records.

Rev. Date 10/01 *Fax #157872*(8)199-200 | FedEx PRINTED IN U.S.A. WICKS 02 ***** **446**

Appendix C

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

CHAIN OF CUSTODY

PROJECT NAME: KUMHUKU LITIGATION
 PROJECT NUMBER: _____
 PROJECT MANAGER: ROBERT WOODRUFF
 COMPANY/ADDRESS: PROCTER & KENDRICK
 CITY/STATE/ZIP: ROCKY MOUNTAIN, NC
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLELER'S SIGNATURE: _____

SAMPLE ID.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
CSU-1011-025	9/1/08	0540		W	S	
CSU-1011-026	9/1/08			W	S	
TYPE 6180K				W	1	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____
 BILL TO: DOCK & WATKINS

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____
 5 Day
 Standard (10-15 working days)
 Provide FAX Results

Requested Report Date: _____

SPECIAL INSTRUCTIONS/COMMENTS:

100 Dioxane - standard of type 6180K

INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

RELINQUISHED BY: _____
RECEIVED BY: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

Project Groundwater

Lab ECOS

Report ID # _____

Report Date Aug 21, 2008

Property City Wells

Report checked 8-26-08 (~~Down~~) Field Book checked _____ Field Book Name _____

Entered into Access data base NA Database Checked _____

Corrections requested _____ date _____ done _____

Corrections requested _____ date _____ done _____

Sample Dates	Description	Lab ID#
8-5-08	CSW-WA8-027	W2394
	CSW-WA3-027	W2395
	CSW-WA1-027	W2396
	CSW-WA2-027	W2397
	CSW-FB-027	W2398
	CSW-WA5-022	W2399
	CSW-WA6-022	W2400
	CSW-TP-027	W2401
	CSW-Duplicate	W2402
	<i>city wells Aug 08 has not been scanned</i>	
Entered into tables 1 & 2 IPR IV 8-26-08		