Engineers

RECEIVED
AUG 07 2009
By

August 5, 2009

Mr. Erich Cleaver
Division of Water
Surface Water Permits Branch
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: ICG Hazard, LLC
Permit 897-0448 Amendment 1
KPDES No.: KY0106852

Dear Sir:

Please find attached a KPDES FORM 1 and FORM C for Permit 897-0448 Amendment #1 for ICG Hazard, LLC. The amendment proposes to add 48.20 acres of mining area. Since the area being added is not within watersheds that were addressed under the original KPDES application, this application is for a modification of coverage for an existing permit.

If you have any questions concerning this submittal, please feel free to contact me. Thank you.

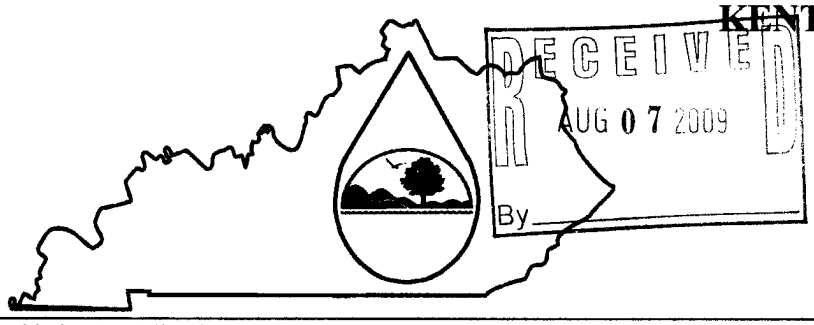
Sincerely,

Roger W. Cornett
Senior Project Engineer

112 Dennis Drive • Lexington, KY 40503 • Phone (859) 277-5300 • Fax (859) 277-5058

KPDES FORM 1

AI# 78356



RECEIVED
AUG 07 2009
By

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.
- ☐ Apply for reissuance of expiring permit.
- ☐ Apply for a construction permit.
- ☒ Modify an existing permit.
  Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:
Form A, Form B, Form C, Form F, or Form SC

For additional information contact:
KPDES Branch (502) 564-3410

Returned Ck. 78 Ck 240 -

I. FACILITY LOCATION AND CONTACT INFORMATION	AGENCY USE	0	1	0	6	8	5	2

A. Name of Business, Municipality, Company, Etc. Requesting Permit
ICG Hazard, LLC

B. Facility Name and Location	C. Primary Mailing Address (all facility correspondence will be sent to this address). **Include owner's mailing address (if different) in D.**
Facility Location Name: Coal Branch Surface Operation	Facility Contact Name and Title: Mr. ☒ Ms. ☐ Don R. Gibson
Facility Location Address (i.e. street, road, etc., **not P.O. Box**): KY. HWY 3404	Mailing Address: 1021 Tori Drive
Facility Location City, State, Zip Code: Chavies, KY	Mailing City, State, Zip Code: Hazard, KY 41701
D. Owner's name (if not the same as in part A and C):	Facility Contact Telephone Number: 606-435-7722
Owner's Mailing Address:	Owner's Telephone Number (if different):

II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc: Surface mining of Hazard 5A, #7, #8, #9 and #10 coal seams is being added on John Fork that was not covered under the original permit.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	1221		
Other SIC Codes:			

III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 ½ minute quadrangle map for the site. (See instructions)

B. County where facility is located:	City where facility is located (if applicable):
Perry	Gays Creek

C. Body of water receiving discharge:
John Fork of Gays Creek

D. Facility Site Latitude (degrees, minutes, seconds):	Facility Site Longitude (degrees, minutes, seconds):
37 deg 19 min 44 sec	83 deg 23 min 26 sec

E. Method used to obtain latitude & longitude (see instructions): topographical map

F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):

IV. OWNER/OPERATOR INFORMATION

A. Type of Ownership:
☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

B. Operator Contact Information (See instructions)

Name of Treatment Plant Operator:	Telephone Number:
Operator Mailing Address (Street):	
Operator Mailing Address (City, State, Zip Code):	
Is the operator also the owner? Yes ☐ No ☐	Is the operator certified? If yes, list certification class and number below. Yes ☐ No ☐
Certification Class:	Certification Number:

V. EXISTING ENVIRONMENTAL PERMITS

Current NPDES Number:	Issue Date of Current Permit:	Expiration Date of Current Permit:
KPDES permit # KY0106852	7/01/07	6/30/2012
Number of Times Permit Reissued:	Date of Original Permit Issuance:	Sludge Disposal Permit Number:
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit Number(s): 897-0448	

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source		
Solid or Special Waste		
Hazardous Waste - Registration or Permit		

VI. DISCHARGE MONITORING REPORTS (DMRs)

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):	Geological Sciences and Laboratories, Inc.
DMR Official Telephone Number:	606-487-1622

B. DMR Mailing Address:
- Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or
- Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.

DMR Mailing Name:	Geological Sciences and Laboratories, Inc.
DMR Mailing Address:	P. O. Box 759
DMR Mailing City, State, Zip Code:	Hazard, KY 41701

VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:	Filing Fee Enclosed:
Surface Mining Operation	~~$240.00~~ returned Check 8/12/09 TB

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mr. ☒ Ms. ☐ Don R. Gibson - Director, Permitting & Regulatory Affairs	606-435-7722
SIGNATURE 	DATE: 8/3/09

Return completed application form and attachments to: **KPDES Branch, Division of Water, Frankfort Office Park, 14 Reilly Road, Frankfort, KY 40601. Direct questions to: KPDES Branch at (502) 564-3410.**

THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK PRINTED ON THE BACK. THE FRONT OF THE DOCUMENT HAS A MICRO-PRINT SIGNATURE LINE. ABSENCE OF THESE FEATURES WILL INDICATE A COPY.

5-709
110

THE

THE HEALTH AND EDUCATION FEDERAL CREDIT UNION
2421 424 PARK PLACE • LEXINGTON, KY 40511

4211906586

DATE	CHECK NO.	AMOUNT
08-06-09	000008151	**********240.00

TWO HUNDRED FORTY AND .00 DOLLARS

10307 / M 93592-P

PAY
TO THE
ORDER
OF

MARK SUMMERS OR
KY STATE TREASURY

PAYABLE THROUGH
BOSTON SAFE DEPOSIT & TRUST CO.
BOSTON, MASSACHUSETTS

AUTHORIZED SIGNATURE

MP

⑆011007092⑆004211 1906586311

KPDES FORM C

KF # 75552

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Coal Branch Surface Operation	County: Perry						
I. OUTFALL LOCATION	AGENCY USE	0	1	0	6	8	5	2

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
BB 20	37	18	42	83	25	26	John Fork of Gays Creek
BB 21	37	18	37	83	25	30	John Fork of Gays Creek

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
BB 20	Surface Runoff	70.497 cfs	Sedimentation	1-U
			Discharge to Surface Water	4-A
BB 21	Surface Runoff	48.404 cfs	Sedimentation	1-U
			Discharge to Surface Water	4-A

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.) ☒ No (Go to Section III.)

OUTFALL NUMBER (list)	OPERATIONS CONTRIBUTING FLOW (list)	FREQUENCY		FLOW				
		Days Per Week (specify average)	Months Per Year (specify average)	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)
				Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	

III. MAXIMUM PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ Yes (Complete Item III-B) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C) ☐ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table) ☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐ Yes (List all such pollutants below) ☒ No (Go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐ Yes (Complete Item VI-C) ☒ No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below) ☒ No (Go to Section VIII)

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below) ☒ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Don R. Gibson - Director, Permitting & Regulatory Affairs	606-435-7722
SIGNATURE Don R Gibson	DATE 8/3/09

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO.	
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.											
1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)	
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value	b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass
a. Biochemical Oxygen Demand (BOD)											
b. Chemical Oxygen Demand (COD)											
c. Total Organic Carbon (TOC)											
d. Total Suspended Solids (TSS)											
e. Ammonia (as N)											
f. Flow (in units of MGD)	VALUE See Section II B		VALUE		VALUE				MGD	VALUE	
g. Temperature (winter)	VALUE		VALUE		VALUE				°c	VALUE	
h. Temperature (summer)	VALUE		VALUE		VALUE				°c	VALUE	
i. pH	MINIMUM 6	MAXIMUM 9	MINIMUM 6	MAXIMUM 9					STANDARD UNITS		

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as $CaCO_3$)		X												
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value (1) Concentration	a. Long-Term Avg. Value (2) Mass	b. No. of Analyses
n. Sulfate (as SO_4) (14808-79-8)		X												
o. Sulfide (as S)		X												
p. Sulfite (as SO_4) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)		X												
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)		X												
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
METALS, CYANIDE AND TOTAL PHENOLS															
1M. Antimony Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium Total (7440-41-7)			X												
4M. Cadmium Total (7440-43-9)			X												
5M. Chromium Total (7440-43-9)			X												
6M. Copper Total (7550-50-8)			X												
7M. Lead Total (7439-92-1)			X												
8M. Mercury Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-28-0)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value (1) Concentration	a. Maximum Daily Value (2) Mass	b. Maximum 30-Day Value (if available) (1) Concentration	b. Maximum 30-Day Value (if available) (2) Mass	c. Long-Term Avg. Value (if available) (1) Concentration	c. Long-Term Avg. Value (if available) (2) Mass	d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value (1) Concentration	a. Long-Term Avg Value (2) Mass	b. No. of Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
DIOXIN															
2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:											
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chloro-benzene (108-90-7)			X												
8V. Chlorodibro-momethane (124-48-1)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro-bromomethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichlorethylene (75-35-4)			X												
17V. 1,2-Di-chloropropane (78-87-5)			X												
18V. 1,3-Dichloropro-pylene (452-75-6)			X												
19V. Ethyl-benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2-Tetrachloro-ethane (79-34-5)			X												
24V. Tetrachloro-ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)			X												
27V. 1,1,1-Tri-chloroethane (71-55-6)			X												
28V. 1,1,2-Tri-chloroethane (79-00-5)			X												
29V. Trichloro-ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlor-Orophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-o-cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-chloro-m-cresol (59-50-7)			X												
9A. Pentachlorophenol (87-88-5)			X												
10A. Phenol (108-05-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acenaphtylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo(a)-anthracene (56-55-3)			X												
6B. Benzo(a)-pyrene (50-32-8)			X												
7B. 3,4-Benzo-fluoranthene (205-99-2)			X												
8B. Benzo(ghl) perylene (191-24-2)			X												
9B. Benzo(k)-fluoranthene (207-08-9)			X												
10B. Bis(2-chlor-oethoxy)-methane (111-91-1)			X												
11B. Bis (2-chlor-oisopropyl)-Ether			X												
12B. Bis (2-ethyl-hexyl)-phthalate (117-81-7)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X												
14B. Butyl-benzyl phthalate (85-68-7)			X												
15B. 2-Chloro-naphthalene (7005-72-3)			X												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X												
17B. Chrysene (218-01-9)			X												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X												
19B. 1,2-Dichloro-benzene (95-50-1)			X												
20B. 1,3-Dichloro-Benzene (541-73-1)			X												
21B. 1,4-Dichloro-benzene (106-46-7)			X												
22B. 3,3-Dichloro-benzidene (91-94-1)			X												
23B. Diethyl Phthalate (84-66-2)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N-butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro-toluene (121-14-2)			X												
27B. 2,6-Dinitro-toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro-benzene (118-71-1)			X												
33B. Hexachloro-butadiene (87-68-3)			X												
34B. Hexachloro-cyclopenta-diene (77-47-4)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			X												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			X												
37B. Isophorone (78-59-1)			X												
38B. Napthalene (91-20-3)			X												
39B. Nitrobenzene (98-95-3)			X												
40B. N-Nitrosodimethylamine (62-75-9)			X												
41B. N-nitrosodi-n-propylamine (621-64-7)			X												
42B. N-nitrosodiphenylamine (86-30-6)			X												
43B. Phenanthrene (85-01-8)			X												
44B. Pyrene (129-00-0)			X												
45B. 1,2,4 Trichlorobenzene (120-82-1)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (If available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P Heptachlor (76-44-8)			X												
17P. Heptaclor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

Division of Water
Surface Water Permits Branch
200 Fair Oaks Lane
Frankfort, Ky. 40601

RE: Application Number 897-0448 Amendment 1

To Whom It May Concern:

I do hereby certify that the following water quality data and laboratory sheets are true and exact copies of their originals.

Sincerely,

Jessie Hicks
Notary Public

My commission expires: 02/19/2012

TABLE 5
WATER QUALITY DATA
SITE MS-1, COAL BR. OPERATION 897-0448

PARAMETER (UNITS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
pH (S.U.)*	7.4	7.5	7.0	6.7	7.2	7.1	7.4	6.8
Dissolved Iron (mg/L)	0.02	0.75	0.26	<0.02 U**	0.57	0.28	<0.02 U**	<0.02**
Total Iron (mg/L)	0.10	1.81	0.35	0.06	0.24	0.08	<0.02 U**	0.10
Dissolved Manganese (mg/L)	0.04	0.17	0.08	<0.02 U**	0.05	<0.02 U**	0.05	<0.02**
Total Manganese (mg/L)	0.05	0.37	0.09	<0.02 U**	0.06	0.05	0.04	0.03
Total Suspended Solids (mg/L)	8	46	176	18	8	4	12	20
Acidity (mg/L $CaCO_3$)	14	18	16	24	<1 U**	16	<1 U**	20
Alkalinity (mg/L $CaCO_3$)	16	20	16	14	16	10	10	14
Conductivity (MicroSiemens)*	357	52	37	65	76	103	83	73
Sulfates (mg/L)	342	40.44	14.26	16.91	26	23	14.26	22
Selenium (mg/L)	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002**

*Field measurement
**U indicates that the value is below our detection limits

TABLE 6
WATER QUALITY DATA
SITE MS-2, COAL BR. OPERATION 897-0448

PARAMETER (UNITS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
pH (S.U.)*	7.3	7.8	6.6	6.9	7.3	6.9	7.1	6.9
Dissolved Iron (mg/L)	0.02	011	<0.02 U**	<0.02 U**	0.08	<0.02 U**	<0.02 U**	0.04
Total Iron (mg/L)	0.08	0.21	0.22	0.20	0.39	0.06	<0.02 U**	0.87
Dissolved Manganese (mg/L)	0.03	0.02	0.08	<0.02 U**	0.04	<0.02 U**	0.04	0.02
Total Manganese (mg/L)	0.05	0.02	0.12	0.02	0.06	<0.02 U**	0.04	0.09
Total Suspended Solids (mg/L)	<2 U**	<2 U**	102	12	48	<2 U**	22	94
Acidity (mg/L $CaCO_3$)	2	<1 U**	<1 U**	10	<1 U**	2	6	1
Alkalinity (mg/L $CaCO_3$)	22	20	24	20	14	10	10	14
Conductivity (MicroSiemens)*	315	52	58	117	60	79	109	124
Sulfates (mg/L)	237	12.76	39	39.22	18.98	22	24	23
Selenium (mg/L)	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**

*Field measurement
**U indicates that the value is below our detection limits

TABLE 7
WATER QUALITY DATA
SITE REF-1, COAL BR. OPERATION 897-0448

PARAMETER (UNITS)	2/2/06	3/7/06	4/4/06	5/2/06	6/6/06	7/5/06	8/1/06	12/6/06
pH (S.U.)*	7.7	6.9	6.9	6.9	6.9	7.0	7.0	7.1
Dissolved Iron (mg/L)	0.24	0.35	<0.02 U**	<0.02 U**	0.12	<0.02 U**	<0.02 U**	<0.02**
Total Iron (mg/L)	0.26	0.46	0.47	<0.02 U**	0.65	0.11	0.07	0.22
Dissolved Manganese (mg/L)	0.03	0.05	0.08	<0.02 U**	0.04	<0.02 U**	0.05	<0.02**
Total Manganese (mg/L)	0.04	0.05	0.15	<0.02 U**	0.07	0.02	0.06	0.03
Total Suspended Solids (mg/L)	4	24	24	<2 U**	12	<2 U**	6	<2**
Acidity (mg/L $CaCO_3$)	<1 U**	<1 U**	<1 U**	<1 U**	<1 U**	16	8	2
Alkalinity (mg/L $CaCO_3$)	88	40	70	38	10	12	16	26
Conductivity (MicroSiemens)*	137	43	57	70	43	57	74	72
Sulfates (mg/L)	28	<4.17 U**	10.18	7.94	14.84	12.77	19.21	14.49
Selenium (mg/L)	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002**

*Field measurement
**U indicates that the value is below our detection limits

TABLE 8
WATER QUALITY DATA
SITE REF-2, COAL BR. OPERATION 897-0448

PARAMETER (UNITS)	2/2/06	3/7/06	4/4/06	5/2/06	6/6/06	7/5/06	8/1/06	12/6/06
pH (S.U.)*	7.5	6.9	7.0	6.8	7.5	7.0	7.1	7.1
Dissolved Iron (mg/L)	0.23	0.17	<0.02 U**	<0.02 U**	0.14	0.02	<0.02 U**	0.02
Total Iron (mg/L)	0.27	0.22	<0.02 U**	<0.02 U**	1.80	0.20	<0.02 U**	<0.02**
Dissolved Manganese (mg/L)	0.03	0.02	0.09	<0.02 U**	0.04	<0.02 U**	0.04	<0.02**
Total Manganese (mg/L)	0.03	0.02	0.13	<0.02 U**	0.08	<0.02 U**	0.04	0.02
Total Suspended Solids (mg/L)	<2 U**	2	4	<2 U**	10	2	4	<2**
Acidity (mg/L $CaCO_3$)	<1 U**	<1 U**	<1 U**	<1 U**	<1 U**	18	<1 U**	<1**
Alkalinity (mg/L $CaCO_3$)	88	28	34	42	10	18	28	30
Conductivity (MicroSiemens)*	169	38	46	75	45	55	71	55
Sulfates (mg/L)	30	13.44	12.65	11.5	<5.68 U**	66.1	7.36	6.43
Selenium (mg/L)	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002 U**	<0.002**

*Field measurement
**U indicates that the value is below our detection limits

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W09-228-06
Date Sampled: 09/20/06 TIME: 12:00 PM
Date Received: 09/22/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.4		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02		Mg/L	SM 3111 B	9-25
TOTAL IRON	0.10		Mg/L	SM 3111 B	9-25
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	9-25
TOTAL MANGANESE	0.05		Mg/L	SM 3111 B	9-25
TOTAL SUSPENDED SOLIDS	8		Mg/L	SM 2540 D	9-22
ACIDITY	14		Mg/L CaCO3	SM 2310	9-25
ALKALINITY	16		Mg/L CaCO3	SM 2320	9-25
CONDUCTIVITY	357		MicroSiemens	SM 2510	Field
SULFATES	342		Mg/L	SM 4500-S04 2- E	9-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-10

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bundy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W09-308-06
Date Sampled: 09/28/06 TIME: 1:00 PM
Date Received: 10/02/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.5		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.75		Mg/L	SM 3111 B	10-3
TOTAL IRON	1.81		Mg/L	SM 3111 B	10-3
DISSOLVED MANGANESE	0.17		Mg/L	SM 3111 B	10-3
TOTAL MANGANESE	0.37		Mg/L	SM 3111 B	10-3
TOTAL SUSPENDED SOLIDS	46		Mg/L	SM 2540 D	10-2
ACIDITY	18		Mg/L CaCO3	SM 2310	10-2
ALKALINITY	20		Mg/L CaCO3	SM 2320	10-2
CONDUCTIVITY	52		MicroSiemens	SM 2510	Field
SULFATES	40.44		Mg/L	SM 4500-S04 2- E	10-2
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-17

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bundy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W10-153-06
Date Sampled: 10/13/06 TIME: 11:00 AM
Date Received: 10/16/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.0		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.26		Mg/L	SM 3111 B	10-17
TOTAL IRON	0.35		Mg/L	SM 3111 B	10-17
DISSOLVED MANGANESE	0.08		Mg/L	SM 3111 B	10-18
TOTAL MANGANESE	0.09		Mg/L	SM 3111 B	10-18
TOTAL SUSPENDED SOLIDS	176		Mg/L	SM 2540 D	10-16
ACIDITY	16		Mg/L CaCO3	SM 2310	10-16
ALKALINITY	16		Mg/L CaCO3	SM 2320	10-16
CONDUCTIVITY	37		MicroSiemens	SM 2510	Field
SULFATES	14.26		Mg/L	SM 4500-S04 2- E	10-16
SELENIUM	0.002	U	Mg/L	EPA 200.8	11-3

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Sandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W10-270-06
Date Sampled: 10/23/06 TIME: 10:00 AM
Date Received: 10/25/06 TIME: 7:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.7		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL IRON	0.06		Mg/L	SM 3111 B	10-26
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL SUSPENDED SOLIDS	18		Mg/L	SM 2540 D	10-25
ACIDITY	24		Mg/L CaCO3	SM 2310	10-25
ALKALINITY	14		Mg/L CaCO3	SM 2320	10-25
CONDUCTIVITY	65		MicroSiemens	SM 2510	Field
SULFATES	16.91		Mg/L	SM 4500-S04 2- E	10-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-31

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W11-118-06
Date Sampled: 11/08/06 TIME: 9:30 AM
Date Received: 11/10/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.2		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.57		Mg/L	SM 3111 B	11-13
TOTAL IRON	0.24		Mg/L	SM 3111 B	11-13
DISSOLVED MANGANESE	0.05		Mg/L	SM 3111 B	11-13
TOTAL MANGANESE	0.06		Mg/L	SM 3111 B	11-13
TOTAL SUSPENDED SOLIDS	8		Mg/L	SM 2540 D	11-10
ACIDITY	1	U	Mg/L CaCO3	SM 2310	11-10
ALKALINITY	16		Mg/L CaCO3	SM 2320	11-10
CONDUCTIVITY	76		MicroSiemens	SM 2510	Field
SULFATES	26		Mg/L	SM 4500-S04 2- E	11-10
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-4

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 06, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W11-246-06
Date Sampled: 11/20/06 TIME: 10:30 AM
Date Received: 11/22/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.1		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.28		Mg/L	SM 3111 B	11-28
TOTAL IRON	0.08		Mg/L	SM 3111 B	11-28
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL MANGANESE	0.05		Mg/L	SM 3111 B	11-28
TOTAL SUSPENDED SOLIDS	4		Mg/L	SM 2540 D	11-22
ACIDITY	16		Mg/L CaCO3	SM 2310	11-27
ALKALINITY	10		Mg/L CaCO3	SM 2320	11-27
CONDUCTIVITY	103		MicroSiemens	SM 2510	Field
SULFATES	23		Mg/L	SM 4500-S04 2- E	11-22
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-6

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS 1
Laboratory No: W12-073-06
Date Sampled: 12/04/06 TIME: 10:00 AM
Date Received: 12/06/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.4		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-8
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	12-8
DISSOLVED MANGANESE	0.05		Mg/L	SM 3111 B	12-11
TOTAL MANGANESE	0.04		Mg/L	SM 3111 B	12-11
TOTAL SUSPENDED SOLIDS	12		Mg/L	SM 2540 D	12-6
ACIDITY	1	U	Mg/L CaCO3	SM 2310	12-6
ALKALINITY	10		Mg/L CaCO3	SM 2320	12-6
CONDUCTIVITY	83		MicroSiemens	SM 2510	Field
SULFATES	14.26		Mg/L	SM 4500-S04 2- E	12-6
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-12

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-1
Laboratory No: W12-202-06
Date Sampled: 12/18/06 TIME: 10:00 AM
Date Received: 12/20/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.8		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-21
TOTAL IRON	0.10		Mg/L	SM 3111 B	12-21
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	12-21
TOTAL MANGANESE	0.03		Mg/L	SM 3111 B	12-21
TOTAL SUSPENDED SOLIDS	20		Mg/L	SM 2540 D	12-20
ACIDITY	20		Mg/L CaCO3	SM 2310	12-20
ALKALINITY	14		Mg/L CaCO3	SM 2320	12-20
CONDUCTIVITY	73		MicroSiemens	SM 2510	Field
SULFATES	22		Mg/L	SM 4500-S04 2- E	12-20
SELENIUM	0.002	U	Mg/L	EPA 200.8	1-2-07

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Thursday, January 04, 2007

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W09-229-06
Date Sampled: 09/20/06 TIME: 12:45 PM
Date Received: 09/22/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.3		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02		Mg/L	SM 3111 B	9-25
TOTAL IRON	0.08		Mg/L	SM 3111 B	9-25
DISSOLVED MANGANESE	0.03		Mg/L	SM 3111 B	9-25
TOTAL MANGANESE	0.05		Mg/L	SM 3111 B	9-25
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	9-22
ACIDITY	2		Mg/L CaCO3	SM 2310	9-25
ALKALINITY	22		Mg/L CaCO3	SM 2320	9-25
CONDUCTIVITY	315		MicroSiemens	SM 2510	Field
SULFATES	237		Mg/L	SM 4500-S04 2- E	9-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-10

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Sandy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W09-309-06
Date Sampled: 09/28/06 TIME: 1:45 PM
Date Received: 10/02/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.8		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.11		Mg/L	SM 3111 B	10-3
TOTAL IRON	0.21		Mg/L	SM 3111 B	10-3
DISSOLVED MANGANESE	0.02		Mg/L	SM 3111 B	10-3
TOTAL MANGANESE	0.02		Mg/L	SM 3111 B	10-3
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	10-2
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-2
ALKALINITY	20		Mg/L CaCO3	SM 2320	10-2
CONDUCTIVITY	52		MicroSiemens	SM 2510	Field
SULFATES	12.76		Mg/L	SM 4500-S04 2- E	10-2
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-16

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Sandy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W10-154-06
Date Sampled: 10/13/06 TIME: 11:30 AM
Date Received: 10/16/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.6		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-17
TOTAL IRON	0.22		Mg/L	SM 3111 B	10-17
DISSOLVED MANGANESE	0.08		Mg/L	SM 3111 B	10-18
TOTAL MANGANESE	0.12		Mg/L	SM 3111 B	10-18
TOTAL SUSPENDED SOLIDS	102		Mg/L	SM 2540 D	10-16
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-16
ALKALINITY	24		Mg/L CaCO3	SM 2320	10-16
CONDUCTIVITY	58		MicroSiemens	SM 2510	Field
SULFATES	39		Mg/L	SM 4500-S04 2- E	10-16
SELENIUM	0.002	U	Mg/L	EPA 200.8	11-3

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W10-271-06
Date Sampled: 10/23/06 TIME: 10:30 AM
Date Received: 10/25/06 TIME: 7:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL IRON	0.20		Mg/L	SM 3111 B	10-26
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL MANGANESE	0.02		Mg/L	SM 3111 B	10-26
TOTAL SUSPENDED SOLIDS	12		Mg/L	SM 2540 D	10-25
ACIDITY	10		Mg/L CaCO3	SM 2310	10-25
ALKALINITY	20		Mg/L CaCO3	SM 2320	10-25
CONDUCTIVITY	117		MicroSiemens	SM 2510	Field
SULFATES	39.22		Mg/L	SM 4500-S04 2- E	10-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-31

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W11-119-06
Date Sampled: 11/08/06 TIME: 10:00 AM
Date Received: 11/10/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.3		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.08		Mg/L	SM 3111 B	11-13
TOTAL IRON	0.39		Mg/L	SM 3111 B	11-13
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	11-13
TOTAL MANGANESE	0.06		Mg/L	SM 3111 B	11-13
TOTAL SUSPENDED SOLIDS	48		Mg/L	SM 2540 D	11-10
ACIDITY	1	U	Mg/L CaCO3	SM 2310	11-10
ALKALINITY	14		Mg/L CaCO3	SM 2320	11-10
CONDUCTIVITY	60		MicroSiemens	SM 2510	Field
SULFATES	18.98		Mg/L	SM 4500-S04 2- E	11-10
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-4

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 06, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W11-247-06
Date Sampled: 11/20/06 TIME: 11:00 AM
Date Received: 11/22/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL IRON	0.06		Mg/L	SM 3111 B	11-28
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	11-22
ACIDITY	2		Mg/L CaCO3	SM 2310	11-22
ALKALINITY	10		Mg/L CaCO3	SM 2320	11-22
CONDUCTIVITY	79		MicroSiemens	SM 2510	Field
SULFATES	22		Mg/L	SM 4500-S04 2- E	11-22
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-6

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS 2
Laboratory No: W12-074-06
Date Sampled: 12/04/06 TIME: 10:45 AM
Date Received: 12/06/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.1		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-8
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	12-8
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	12-11
TOTAL MANGANESE	0.04		Mg/L	SM 3111 B	12-11
TOTAL SUSPENDED SOLIDS	22		Mg/L	SM 2540 D	12-6
ACIDITY	6		Mg/L CaCO3	SM 2310	12-6
ALKALINITY	10		Mg/L CaCO3	SM 2320	12-6
CONDUCTIVITY	109		MicroSiemens	SM 2510	Field
SULFATES	24		Mg/L	SM 4500-S04 2- E	12-6
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-12

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: MS-2
Laboratory No: W12-203-06
Date Sampled: 12/18/06 TIME: 11:00 AM
Date Received: 12/20/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.04		Mg/L	SM 3111 B	12-21
TOTAL IRON	0.87		Mg/L	SM 3111 B	12-21
DISSOLVED MANGANESE	0.02		Mg/L	SM 3111 B	12-21
TOTAL MANGANESE	0.09		Mg/L	SM 3111 B	12-21
TOTAL SUSPENDED SOLIDS	94		Mg/L	SM 2540 D	12-20
ACIDITY	1		Mg/L CaCO3	SM 2310	12-21
ALKALINITY	14		Mg/L CaCO3	SM 2320	12-21
CONDUCTIVITY	124		MicroSiemens	SM 2510	Field
SULFATES	23		Mg/L	SM 4500-S04 2-E	12-20
SELENIUM	0.002	U	Mg/L	EPA 200.8	1-2-07

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Thursday, January 04, 2007

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W09-230-06
Date Sampled: 09/20/06 TIME: 2:00 PM
Date Received: 09/22/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.7		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.24		Mg/L	SM 3111 B	9-25
TOTAL IRON	0.26		Mg/L	SM 3111 B	9-25
DISSOLVED MANGANESE	0.03		Mg/L	SM 3111 B	9-25
TOTAL MANGANESE	0.04		Mg/L	SM 3111 B	9-25
TOTAL SUSPENDED SOLIDS	4		Mg/L	SM 2540 D	9-22
ACIDITY	1	U	Mg/L CaCO3	SM 2310	9-25
ALKALINITY	88		Mg/L CaCO3	SM 2320	9-25
CONDUCTIVITY	137		MicroSiemens	SM 2510	Field
SULFATES	28		Mg/L	SM 4500-S04 2- E	9-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-10

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Sandy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W09-310-06
Date Sampled: 09/28/06 TIME: 2:45 PM
Date Received: 10/02/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.35		Mg/L	SM 3111 B	10-3
TOTAL IRON	0.46		Mg/L	SM 3111 B	10-3
DISSOLVED MANGANESE	0.05		Mg/L	SM 3111 B	10-3
TOTAL MANGANESE	0.05		Mg/L	SM 3111 B	10-3
TOTAL SUSPENDED SOLIDS	24		Mg/L	SM 2540 D	10-2
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-2
ALKALINITY	40		Mg/L CaCO3	SM 2320	10-2
CONDUCTIVITY	43		MicroSiemens	SM 2510	Field
SULFATES	4.17	U	Mg/L	SM 4500-S04 2- E	10-2
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-16

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bundy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W10-155-06
Date Sampled: 10/13/06 TIME: 1:00 PM
Date Received: 10/16/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-17
TOTAL IRON	0.47		Mg/L	SM 3111 B	10-17
DISSOLVED MANGANESE	0.08		Mg/L	SM 3111 B	10-18
TOTAL MANGANESE	0.15		Mg/L	SM 3111 B	10-18
TOTAL SUSPENDED SOLIDS	24		Mg/L	SM 2540 D	10-16
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-16
ALKALINITY	70		Mg/L CaCO3	SM 2320	10-16
CONDUCTIVITY	57		MicroSiemens	SM 2510	Field
SULFATES	10.18		Mg/L	SM 4500-S04 2- E	10-16
SELENIUM	0.002	U	Mg/L	EPA 200.8	11-3

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W10-269-06
Date Sampled: 10/23/06 TIME: 11:45 AM
Date Received: 10/25/06 TIME: 7:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	10-26
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	10-25
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-25
ALKALINITY	38		Mg/L CaCO3	SM 2320	10-25
CONDUCTIVITY	70		MicroSiemens	SM 2510	Field
SULFATES	7.94		Mg/L	SM 4500-S04 2- E	10-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-31

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W11-120-06
Date Sampled: 11/08/06 TIME: 12:00 PM
Date Received: 11/10/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.12		Mg/L	SM 3111 B	11-13
TOTAL IRON	0.65		Mg/L	SM 3111 B	11-13
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	11-13
TOTAL MANGANESE	0.07		Mg/L	SM 3111 B	11-13
TOTAL SUSPENDED SOLIDS	12		Mg/L	SM 2540 D	11-10
ACIDITY	1	U	Mg/L CaCO3	SM 2310	11-10
ALKALINITY	10		Mg/L CaCO3	SM 2320	11-10
CONDUCTIVITY	43		MicroSiemens	SM 2510	Field
SULFATES	14.84		Mg/L	SM 4500-S04 2- E	11-10
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-4

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 06, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W11-248-06
Date Sampled: 11/20/06 TIME: 1:00 PM
Date Received: 11/22/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.0		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL IRON	0.11		Mg/L	SM 3111 B	11-28
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL MANGANESE	0.02		Mg/L	SM 3111 B	11-28
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	11-22
ACIDITY	16		Mg/L CaCO3	SM 2310	11-27
ALKALINITY	12		Mg/L CaCO3	SM 2320	11-27
CONDUCTIVITY	57		MicroSiemens	SM 2510	Field
SULFATES	12.77		Mg/L	SM 4500-S04 2- E	11-22
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-6

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF 1
Laboratory No: W12-075-06
Date Sampled: 12/04/06 TIME: 1:00 PM
Date Received: 12/06/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.0		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-8
TOTAL IRON	0.07		Mg/L	SM 3111 B	12-8
DISSOLVED MANGANESE	0.05		Mg/L	SM 3111 B	12-11
TOTAL MANGANESE	0.06		Mg/L	SM 3111 B	12-11
TOTAL SUSPENDED SOLIDS	6		Mg/L	SM 2540 D	12-6
ACIDITY	8		Mg/L CaCO3	SM 2310	12-6
ALKALINITY	16		Mg/L CaCO3	SM 2320	12-6
CONDUCTIVITY	74		MicroSiemens	SM 2510	Field
SULFATES	19.21		Mg/L	SM 4500-S04 2- E	12-6
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-12

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bundy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-1
Laboratory No: W12-204-06
Date Sampled: 12/18/06 TIME: 1:00 PM
Date Received: 12/20/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.1		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-21
TOTAL IRON	0.22		Mg/L	SM 3111 B	12-21
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	12-21
TOTAL MANGANESE	0.03		Mg/L	SM 3111 B	12-21
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	12-20
ACIDITY	2		Mg/L CaCO3	SM 2310	12-20
ALKALINITY	26		Mg/L CaCO3	SM 2320	12-20
CONDUCTIVITY	72		MicroSiemens	SM 2510	Field
SULFATES	14.49		Mg/L	SM 4500-S04 2- E	12-20
SELENIUM	0.002	U	Mg/L	EPA 200.8	1-2-07

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Thursday, January 04, 2007

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W09-231-06
Date Sampled: 09/20/06 TIME: 2:40 PM
Date Received: 09/22/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.5		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.23		Mg/L	SM 3111 B	9-25
TOTAL IRON	0.27		Mg/L	SM 3111 B	9-25
DISSOLVED MANGANESE	0.03		Mg/L	SM 3111 B	9-25
TOTAL MANGANESE	0.03		Mg/L	SM 3111 B	9-25
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	9-22
ACIDITY	1	U	Mg/L CaCO3	SM 2310	9-25
ALKALINITY	88		Mg/L CaCO3	SM 2320	9-25
CONDUCTIVITY	169		MicroSiemens	SM 2510	Field
SULFATES	30		Mg/L	SM 4500-S04 2- E	9-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-10

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.

LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W09-311-06
Date Sampled: 09/28/06 TIME: 3:00 PM
Date Received: 10/02/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.9		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.17		Mg/L	SM 3111 B	10-3
TOTAL IRON	0.22		Mg/L	SM 3111 B	10-3
DISSOLVED MANGANESE	0.02		Mg/L	SM 3111 B	10-3
TOTAL MANGANESE	0.02		Mg/L	SM 3111 B	10-3
TOTAL SUSPENDED SOLIDS	2		Mg/L	SM 2540 D	10-2
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-2
ALKALINITY	28		Mg/L CaCO3	SM 2320	10-2
CONDUCTIVITY	38		MicroSiemens	SM 2510	Field
SULFATES	13.44		Mg/L	SM 4500-S04 2- E	10-2
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-16

Notes: Selenium was analyzed by McCoy & McCoy.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, October 25, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W10-156-06
Date Sampled: 10/13/06 TIME: 1:30 PM
Date Received: 10/16/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.0		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-17
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	10-17
DISSOLVED MANGANESE	0.09		Mg/L	SM 3111 B	10-18
TOTAL MANGANESE	0.13		Mg/L	SM 3111 B	10-18
TOTAL SUSPENDED SOLIDS	4		Mg/L	SM 2540 D	10-16
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-16
ALKALINITY	34		Mg/L CaCO3	SM 2320	10-16
CONDUCTIVITY	46		MicroSiemens	SM 2510	Field
SULFATES	12.65		Mg/L	SM 4500-S04 2- E	10-16
SELENIUM	0.002	U	Mg/L	EPA 200.8	11-3

NOTE: Selenium analysis performed by contract lab McCoy && McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W10-272-06
Date Sampled: 10/23/06 TIME: 12:15 PM
Date Received: 10/25/06 TIME: 7:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	6.8		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	10-26
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL MANGANESE	0.02	U	Mg/L	SM 3111 B	10-26
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	10-25
ACIDITY	1	U	Mg/L CaCO3	SM 2310	10-25
ALKALINITY	42		Mg/L CaCO3	SM 2320	10-25
CONDUCTIVITY	75		MicroSiemens	SM 2510	Field
SULFATES	11.5		Mg/L	SM 4500-S04 2- E	10-25
SELENIUM	0.002	U	Mg/L	EPA 200.8	10-31

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Friday, November 10, 2006

NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W11-121-06
Date Sampled: 11/08/06 TIME: 12:30 PM
Date Received: 11/10/06 TIME: 8:00 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.5		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.14		Mg/L	SM 3111 B	11-13
TOTAL IRON	1.80		Mg/L	SM 3111 B	11-13
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	11-13
TOTAL MANGANESE	0.08		Mg/L	SM 3111 B	11-13
TOTAL SUSPENDED SOLIDS	10		Mg/L	SM 2540 D	11-10
ACIDITY	1	U	Mg/L CaCO3	SM 2310	11-10
ALKALINITY	10		Mg/L CaCO3	SM 2320	11-10
CONDUCTIVITY	45		MicroSiemens	SM 2510	Field
SULFATES	5.68	U	Mg/L	SM 4500-S04 2- E	11-10
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-4

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 06, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W11-249-06
Date Sampled: 11/20/06 TIME: 1:50 PM
Date Received: 11/22/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.0		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02		Mg/L	SM 3111 B	11-28
TOTAL IRON	0.20		Mg/L	SM 3111 B	11-28
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL MANGANESE	0.02	U	Mg/L	SM 3111 B	11-28
TOTAL SUSPENDED SOLIDS	2		Mg/L	SM 2540 D	11-22
ACIDITY	18		Mg/L CaCO3	SM 2310	11-22
ALKALINITY	18		Mg/L CaCO3	SM 2320	11-22
CONDUCTIVITY	55		MicroSiemens	SM 2510	Field
SULFATES	6.61		Mg/L	SM 4500-S04 2- E	11-22
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-6

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF 2
Laboratory No: W12-076-06
Date Sampled: 12/04/06 TIME: 1:30 PM
Date Received: 12/06/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.1		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02	U	Mg/L	SM 3111 B	12-8
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	12-8
DISSOLVED MANGANESE	0.04		Mg/L	SM 3111 B	12-11
TOTAL MANGANESE	0.04		Mg/L	SM 3111 B	12-11
TOTAL SUSPENDED SOLIDS	4		Mg/L	SM 2540 D	12-6
ACIDITY	1	U	Mg/L CaCO3	SM 2310	12-6
ALKALINITY	28		Mg/L CaCO3	SM 2320	12-6
CONDUCTIVITY	71		MicroSiemens	SM 2510	Field
SULFATES	7.36		Mg/L	SM 4500-S04 2- E	12-6
SELENIUM	0.002	U	Mg/L	EPA 200.8	12-12

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Wednesday, December 13, 2006 NOTE: "U" indicates that the value is below our detection limits.

SUMMIT ENGINEERING INC.

Summit Engineering, Inc.
LABORATORY
P.O. Drawer 1800
Grundy, Virginia 24614

Client Name: ICG Hazard
Sample ID: REF-2
Laboratory No: W12-205-06
Date Sampled: 12/18/06 TIME: 1:30 PM
Date Received: 12/20/06 TIME: 7:30 AM
Sampled By: Brent Hoselton

ANALYSIS REPORT

PARAMETER	VALUE		UNITS	METHOD	DATE ANALYZED
pH	7.1		Std. Units	SM 4500-H+ B	Field
DISSOLVED IRON	0.02		Mg/L	SM 3111 B	12-21
TOTAL IRON	0.02	U	Mg/L	SM 3111 B	12-21
DISSOLVED MANGANESE	0.02	U	Mg/L	SM 3111 B	12-21
TOTAL MANGANESE	0.02		Mg/L	SM 3111 B	12-21
TOTAL SUSPENDED SOLIDS	2	U	Mg/L	SM 2540 D	12-20
ACIDITY	1	U	Mg/L CaCO3	SM 2310	12-20
ALKALINITY	30		Mg/L CaCO3	SM 2320	12-20
CONDUCTIVITY	55		MicroSiemens	SM 2510	Field
SULFATES	6.43		Mg/L	SM 4500-S04 2- E	12-20
SELENIUM	0.002	U	Mg/L	EPA 200.8	1-2-07

NOTE: Selenium analysis performed by contract lab McCoy & McCoy Laboratory, Inc.

All tests are conducted in accordance with acceptable analytical methods and procedures and are correct and accurate to the best of my knowledge and belief.

Angela Bandy
Laboratory Manager

Thursday, January 04, 2007

NOTE: "U" indicates that the value is below our detection limits.