January 18, 2010

Energy and Environment Cabinet
Department for Environmental Protection
Division of Water, Surface Water Permits Branch
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: CAM Mining, LLC
DNR Permit No. 898-0779
Individual Permit Application
Effluent Characteristics

Dear Sirs:

A sample was collected from Pond #27 to demonstrate the effluent characteristics. Pond #27 is an embankment pond located on Johns Branch of Buffalo Creek and captures runoff from the surface disturbance areas. The storm runoff captured within Pond #27 represent drainage collected from strata disturbed from the lowest seam mined to the upper most seam mined.

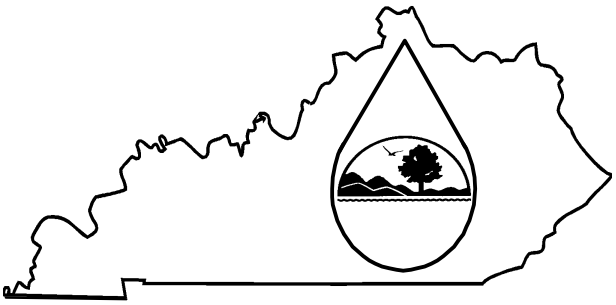
Refer to the attached drawing(s) for the location of Pond #27.

Sincerely,

Steve Kendrick

Steve Kendrick
Project Manager

KPDES FORM C



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

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

Name of Facility: Bevins Branch Surface Operation – 898-0779	County: Pike/Floyd

I. OUTFALL LOCATION	AGENCY USE							

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	
	哣Ĉ						

See Attachment I.

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.

See Attachment II.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1

Attachment I. Outfall Location

Outfall No. (list)	LATITUDE			LONGITUDE			Receiving Water (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
Pond #1	37	40	01	82	36	16	Bevins Branch of Johns Cr.
Pond #2	37	39	55	82	36	05	Johns Creek
Pond #3	37	39	55	82	35	59	Johns Creek
Pond #4	37	39	43	82	35	50	Johns Creek
Pond #4A	37	39	50	82	35	55	Johns Creek
Pond #5	37	39	45	82	35	39	Johns Creek
Pond #6	37	39	39	82	35	38	Johns Creek
Pond #15	37	39	27	82	36	10	Missouri Branch of Johns Cr.
Pond #16	37	39	33	82	36	14	Bevins Branch of Johns Cr.
Pond #17	37	39	36	82	36	28	Bevins Branch of Johns Cr.
Pond #18	37	39	43	82	35	50	Blankenship Branch of Johns Cr.
Pond #19	37	39	45	82	35	39	Missouri Branch of Johns Cr.
Pond #3N	37	40	04	82	36	22	Bevins Branch of Johns Cr.
Pond #12N *	37	40	05	82	36	48	Bevins Branch of Johns Cr.
Pond #13N*	37	40	00	82	36	35	Bevins Branch of Johns Cr.
Pond #14N *	37	39	51	82	37	05	Johns Branch of Buffalo Cr.
Pond #15N *	37	39	55	82	37	02	Johns Branch of Buffalo Cr.
Pond #16N *	37	39	53	82	36	50	Johns Branch of Buffalo Cr.
Pond #17N *	37	39	53	82	36	54	Johns Branch of Buffalo Cr.
Pond #18N *	37	39	38	82	37	00	Johns Branch of Buffalo Cr.
Pond #19N	37	39	09	82	36	47	Lick Branch of Buffalo
Pond #20 *	37	39	10	82	36	34	Lick Branch of Buffalo
Pond #21 *	37	39	21	82	36	37	Lick Branch of Buffalo
Pond #22 *	37	39	26	82	36	39	Lick Branch of Buffalo
Pond #23 *	37	39	24	82	36	30	Lick Branch of Buffalo
Pond #24 *	37	39	28	82	36	18	Lick Branch of Buffalo
Pond #25 *	37	39	17	82	36	24	Lick Branch of Buffalo
Pond #26 *	37	39	10	82	36	21	Lick Branch of Buffalo
Pond #27	37	39	36	82	37	09	Johns Branch of Buffalo Cr.
Pond #28	37	39	08	82	36	29	Lick Branch of Buffalo
Pond #29	37	39	03	82	36	51	Lick Branch of Buffalo
Pond #30	37	39	00	82	36	58	Lick Branch of Buffalo

Attachment I. Outfall Location

Pond #31	37	39	06	82	37	07	Buffalo Creek
Pond #32	37	39	13	82	37	03	Buffalo Creek
Pond #33	37	39	19	82	36	06	Buffalo Creek
Pond #34	37	39	20	82	37	16	Buffalo Creek
Pond #35	37	39	30	82	37	10	Johns Branch of Buffalo Cr.
Pond #36	37	39	31	82	37	02	Johns Branch of Buffalo Cr.
Pond #37	37	39	34	82	36	58	Johns Branch of Buffalo Cr.
Pond #38	37	40	16	82	37	08	Toms Branch of Buffalo Cr.
Pond #39	37	40	20	82	37	06	Toms Branch of Buffalo Cr.
Pond #39A	37	40	24	82	36	54	Toms Branch of Buffalo Cr.
Pond #40	37	40	25	82	36	57	Toms Branch of Buffalo Cr.
Pond #41 *	37	39	36	82	35	38	Blankenship Branch of Johns Cr.
Pond #42 *	37	39	34	82	35	51	Blankenship Branch of Johns Cr.
Pond #43 *	37	39	30	82	35	53	Blankenship Branch of Johns Cr.
Pond #44 *	37	39	22	82	35	47	Blankenship Branch of Johns Cr.
Pond #45 *	37	39	20	82	35	36	Blankenship Branch of Johns Cr.
Pond #46 *	37	39	15	82	35	51	Missouri Branch of Johns Cr.
Pond #47 *	37	39	20	82	35	59	Missouri Branch of Johns Cr.
Pond #48 *	37	39	18	82	36	04	Missouri Branch of Johns Cr.
Pond #49 *	37	39	11	82	36	01	Missouri Branch of Johns Cr.

* Ponds will be monitored as KPDES points until such time as the downstream pond is constructed.

Attachment II. Outfalls

Outfall No. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
Pond #1	storm water runoff	158.75 cfs	sedimentation	1-U
Pond #2	storm water runoff	8.62 cfs	sedimentation	1-U
Pond #3	storm water runoff	3.28 cfs	sedimentation	1-U
Pond #4	storm water runoff	29.72 cfs	sedimentation	1-U
Pond #4A	storm water runoff	14.12 cfs	sedimentation	1-U
Pond #5	storm water runoff	29.22 cfs	sedimentation	1-U
Pond #6	storm water runoff	14.74 cfs	sedimentation	1-U
Pond #15	storm water runoff	31.20 cfs	sedimentation	1-U
Pond #16	storm water runoff	25.90 cfs	sedimentation	1-U
Pond #17	storm water runoff	15.42 cfs	sedimentation	1-U
Pond #18	storm water runoff	39.49 cfs	sedimentation	1-U
Pond #19	storm water runoff	51.22 cfs	sedimentation	1-U
Pond #3N	storm water runoff	245.60 cfs	sedimentation	1-U
Pond #12N	storm water runoff	61.98 cfs	sedimentation	1-U
Pond #13N	storm water runoff	24.63 cfs	sedimentation	1-U
Pond #14N	storm water runoff	35.32 cfs	sedimentation	1-U
Pond #15N	storm water runoff	37.52 cfs	sedimentation	1-U
Pond #16N	storm water runoff	41.05 cfs	sedimentation	1-U
Pond #17N	storm water runoff	28.19 cfs	sedimentation	1-U
Pond #18N	storm water runoff	39.49 cfs	sedimentation	1-U
Pond #19N	storm water runoff	51.22 cfs	sedimentation	1-U
Pond #20	storm water runoff	36.98 cfs	sedimentation	1-U
Pond #21	storm water runoff	21.45 cfs	sedimentation	1-U
Pond #22	storm water runoff	50.85 cfs	sedimentation	1-U
Pond #23	storm water runoff	42.69 cfs	sedimentation	1-U
Pond #24	storm water runoff	54.99 cfs	sedimentation	1-U
Pond #25	storm water runoff	52.42 cfs	sedimentation	1-U
Pond #26	storm water runoff	53.44 cfs	sedimentation	1-U
Pond #27	storm water runoff	132.16 cfs	sedimentation	1-U
Pond #28	storm water runoff	369.16 cfs	sedimentation	1-U

Attachment II. Outfalls

Pond #29	storm water runoff	39.53 cfs	sedimentation	1-U
Pond #30	storm water runoff	16.12 cfs	sedimentation	1-U
Pond #31	storm water runoff	27.99 cfs	sedimentation	1-U
Pond #32	storm water runoff	35.25 cfs	sedimentation	1-U
Pond #33	storm water runoff	40.51 cfs	sedimentation	1-U
Pond #34	storm water runoff	47.81 cfs	sedimentation	1-U
Pond #35	storm water runoff	28.55 cfs	sedimentation	1-U
Pond #36	storm water runoff	24.27 cfs	sedimentation	1-U
Pond #37	storm water runoff	36.42 cfs	sedimentation	1-U
Pond #38	storm water runoff	66.40 cfs	sedimentation	1-U
Pond #39	storm water runoff	49.74 cfs	sedimentation	1-U
Pond #39A	storm water runoff	110.37 cfs	sedimentation	1-U
Pond #40	storm water runoff	24.93 cfs	sedimentation	1-U
Pond #41	storm water runoff	28.33 cfs	sedimentation	1-U
Pond #42	storm water runoff	64.69 cfs	sedimentation	1-U
Pond #43	storm water runoff	70.85 cfs	sedimentation	1-U
Pond #44	storm water runoff	42.97 cfs	sedimentation	1-U
Pond #45	storm water runoff	20.49 cfs	sedimentation	1-U
Pond #46	storm water runoff	24.90 cfs	sedimentation	1-U
Pond #47	storm water runoff	59.88 cfs	sedimentation	1-U
Pond #48	storm water runoff	66.32 cfs	sedimentation	1-U
Pond #49	storm water runoff	19.75 cfs	sedimentation	1-U

Note: Avg/Design Flow based upon the 25 year/24 hour worst case peak discharge.

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. 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.

AVERAGE DAILY PRODUCTION			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 currently use or manufacture as an intermediate or final product or byproduct?

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

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)
McCoy & McCoy Laboratories, Inc.	Pikeville, KY 41501	(606) 432-3104	Laboratory sheet attached
Blackburn Contracting, Inc.	Prestonsburg, KY 41653	(606) 886-6864	Laboratory sheet attached

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):
Ronald G. Hull, Vice-President	(606) 432-3900
SIGNATURE: Ronald G. Hull	DATE: 1/20/10

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)	N/A											
b. Chemical Oxygen Demand (COD)	N/A											
c. Total Organic Carbon (TOC)	N/A											
d. Total Suspended Solids (TSS)	15						1	mg/l				
e. Ammonia (as N)	N/A											
f. Flow (in units of MGD)	VALUE	0.036	VALUE		VALUE		1	MGD		VALUE		
g. Temperature (winter)	VALUE	N/A	VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE	N/A	VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM N/A	MAXIMUM 8.04	MINIMUM	MAXIMUM			1	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. Chloride		X												
c. Chlorine, Total Residual		X												
d. Color		X												
e. Fecal ☐ Coliform Or E.coli ☐		X												
f. Fluoride (16984-48-8)		X												
g. Hardness (as $CaCO_3$)	X		305						1	mg/l				
h. Nitrate – Nitrite (as N)		X												
i. Nitrogen, Total Organic (as N)		X												
j. Oil and Grease		X												
k. Phosphorous (as P), Total 7723-14-0		X												
l. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												
(5) Strontium-90, Total		X												
(6 Uranium		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
m. Sulfate (as SO_4) (14808-79-8)	X		220						1	mg/l				
n. Sulfide (as S)		X												
o. Sulfite (as SO_4) (14286-46-3)		X												
p. Surfactants		X												
q. Aluminum, Total (7429-90)	X		2.70 D						1	mg/l				
r. Barium, Total (7440-39-3)		X												
s. Boron, Total (7440-42-8)		X												
t. Cobalt, Total (7440-48-4)		X												
u. Iron, Total (7439-89-6)	X		4.73						1	mg/l				
v. Magnesium Total (7439-96-4)		X												
w. Molybdenum Total (7439-98-7)		X												
x. Manganese, Total (7439-96-6)	X		0.486						1	mg/l				
y. Tin, Total (7440-31-5)		X												
z. 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			0.004						1	mg/l				
2M. Arsenic, Total (7440-38-2)	X			0.004						1	mg/l				
3M. Beryllium Total (7440-41-7)	X			0.002 U						1	mg/l				
4M. Cadmium Total (7440-43-9)	X			0.002 U						1	mg/l				
5M. Chromium Total (7440-43-9)	X			0.006						1	mg/l				
6M. Copper Total (7550-50-8)	X			0.008						1	mg/l				
7M. Lead Total (7439-92-1)	X			0.005						1	mg/l				
8M. Mercury Total (7439-97-6)	X			0.0002 U						1	mg/l				
9M. Nickel, Total (7440-02-0)	X			0.019						1	mg/l				
10M. Selenium, Total (7782-49-2)	X			0.034						1	mg/l				
11M. Silver, Total (7440-28-0)	X			0.002						1	mg/l				

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			0.0014						1	mg/l				
13M. Zinc, Total (7440-66-6)	X			0.070						1	mg/l				
14M. Cyanide, Total (57-12-5)	X			0.005 U						1	mg/l				
15M. Phenols, Total	X			0.05 U						1	mg/l				
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-Dichlorophenol (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. Indeno-(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												

McCoy & McCoy Laboratories, Inc.
P.O. Box 907
Madisonville, KY 42431
(270) 821-7375
www.mccoylabs.com

Paducah, KY (270) 444-6547
Lexington, KY (859) 299-7775
Louisville, KY (502) 961-0001
Pikeville, KY (606) 432-3104
s.tate@mccoylabs.com

Blackburn Contracting Inc
Attn: Jim Blackburn
P O Box 992
Prestonsburg KY 41653

Batch #	09072551
Received	07/28/2009
Reported	08/05/2009
Client	BL2008
Page	1 of 1

ANALYSIS REPORT

AG85868 Pond 27 Permit # 898-0779 Collected: 07/27/2009

Sample required dilution due to high concentration of aluminum. JCD

TEST DESCRIPTION	ANALYZED	BY	METHOD	RESULT	UNITS	REPORT LIMIT	NOTE
Iron by ICP/AES Mdv	07/31/2009	MST	EPA 200.7	4.73	mg/l	0.02	
Aluminum by ICP/MS Mdv	08/05/2009	JCD	EPA 200.8	2.70 D	mg/l	0.2	
Antimony by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.004	mg/l	0.002	
Arsenic by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.004	mg/l	0.002	
Beryllium by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.002 U	mg/l	0.002	
Cadmium by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.002 U	mg/l	0.002	
Chromium by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.006	mg/l	0.002	
Copper by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.008	mg/l	0.002	
Lead by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.005	mg/l	0.002	
Manganese by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.486	mg/l	0.002	
Mercury by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.0002 U	mg/l	0.0002	
Nickel by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.019	mg/l	0.002	
Selenium by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.034	mg/l	0.002	
Silver by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.002	mg/l	0.002	
Thallium by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.0014	mg/l	0.0005	
Zinc by ICP/MS Mdv	07/31/2009	MST	EPA 200.8	0.070	mg/l	0.002	
Sulfate by IC Mdv	07/30/2009	DMH	EPA 300.0	220	mg/l	1	
Total Phenols in Waste Water Mdv	07/31/2009	KET	EPA 420.1	0.05 U	mg/l	0.05	
Hardness as CaCO3 Pkv	07/30/2009	ADH	SM 2340 C*	305	mg/l	1	
Specific Conductance (Lab) Pkv	07/30/2009	ADH	SM 2510 B*	680	umhos/cm	1	
Tot. Suspended Solids Pkv	07/31/2009	ADH	SM 2540 D*	15	mg/l	1	
Free Cyanide (no distillation) Mdv	07/31/2009	KET	SM 4500 CN E	0.005 U	mg/l	0.005	

Qualifier Legend

D Results reported from dilution
U Non-detected at the reported detect limit

Submitted By: Syd Tate, Data Reviewer

The analyses reported above have been determined by protocols that meet or exceed the requirements of NELAC. Methods listed with an '*' are not part of this accreditation. Call Syd Tate at 270-821-7375 for any questions concerning this analysis report.

BLACKBURN CONTRACTING INC
ENVIRONMENTAL SERVICES AND LABORATORY TESTING
P O BOX 992
PRESTONSBURG, KENTUCKY 41653
(606) 886-6864 Fax (606) 886-0540

8-5-2009
REPORT NO: 89807

DATE OF COLLECTION: 7-27-09
TIME OF COLLECTION:
DATE RECEIVED: 7-27-09
DATE OF ANALYSIS:
TIME OF ANALYSIS:

CAM-KENTUCKY , LLC
P O BOX 1169
PIKEVILLE, KY 41502

SITE NAME: POND 27
SAMPLE TYPE: Grab
SAMPLED BY: JC

PERMIT NO: 898-0779

PARAMETER MEASURED	VALUE	UNITS	DETECTION LIMITS	METHODS	BY
FIELD pH	8.04	SU		FIELD	JC
FLOW	0.036	MGD		FIELD	JC

I CERTIFY THAT THE ABOVE RESULTS WERE OBTAINED BY USING ANALYTICAL PROCEDURES FROM STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER 18th EDITION, AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Jim Blackburn