KPDES FORM 1

AI : 81656

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

OCT 2 0 2007

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 Short Form C

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

$240.00

I. FACILITY LOCATION AND CONTACT INFORMATION	AGENCY USE	0	1	0	7	2	1	2

A. Name of business, municipality, company, etc. requesting permit
MATT/CO, INC.

B. Facility Name and Location	C. Facility Owner/Mailing Address
Facility Location Name: MATT/CO, INC.	Owner Name: MATT/CO, INC.
Facility Location Address (i.e. street, road, etc.): ~~CORN FORK~~ - JCT SR 338 + SR 3	Mailing Street: 439 MEADOWS BRANCH
Facility Location City, State, Zip Code: PRESTONSBURG, KY 41653	Mailing City, State, Zip Code: PRESTONSBURG, KY 41653
	Telephone Number: 606-886-0611

II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc: The application proposes to area mine the Broas seam and contour/highwall mine and underground mine the Peach Orchard seam.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	2121 MINING		
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: FLOYD	City where facility is located (if applicable): PRESTONSBURG

C. Body of water receiving discharge:
CORN FORK, SOUDERS BRANCH, THOMPSON FORK, AND CLARKS BRANCH

D. Facility Site Latitude (degrees, minutes, seconds): 37° 40' 06"	Facility Site Longitude (degrees, minutes, seconds): 82° 40' 54"

E. Method used to obtain latitude & longitude (see instructions): LANCER TOPOGRAPHIC 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: N/A	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: PENDING
Number of Times Permit Reissued:	Date of Original Permit Issuance:	Sludge Disposal Permit Number:
Kentucky DOW Operational Permit #:	Kentucky DSMRE Permit Number(s): 836-0317	PENDING

C. 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	N/A	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	N/A	

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). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	CLARK PERGREM
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	MATT/CO, INC.
DMR Mailing Street:	439 MEADOWS BRANCH
DMR Mailing City, State, Zip Code:	PRESTONSBURG, KY 41653
DMR Official Telephone Number:	606-886-0611

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. Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:	Filing Fee Enclosed:
Surface Mining Operation	$240.00

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):
CLARK PERGREM, PRESIDENT	606-886-0611
SIGNATURE	DATE:
Clark Pergrem	OCTOBER 2, 2007

KPDES FORM C

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: MATT/CO, INC.	County: FLOYD
I. OUTFALL LOCATION	AGENCY USE: 0 1 0 7 2 1 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	
Reference							
Attachment I.A							

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
Reference Attachment II.A				

I. Outfall Location **Permit No. 836-0317**

OUTFALL	LATITUDE			LONGITUDE			
NO.	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	RECEIVING WATER
SW2	37	39	40	82	42	22	Corn Fork
SW8	37	40	24	82	41	42	Thompson Fork
1	37	40	26	82	41	21	Corn Fork
2	37	40	59	82	40	27	Thompson Fork
3	37	40	47	82	41	18	Thompson Fork
4	37	40	53	82	41	07	Corn Fork
5	37	40	57	82	40	59	Corn Fork
6	37	41	01	82	41	02	Corn Fork
7	37	41	06	82	40	58	Corn Fork
8	37	41	10	82	40	52	Corn Fork
9	37	41	16	82	40	56	Souders Branch
10	37	41	19	82	41	10	Souders Branch
11	37	41	32	82	41	03	Thompson Fork
12	37	41	25	82	40	54	Thompson Fork
13	37	41	33	82	40	47	Thompson Fork
14	37	41	19	82	40	41	Thompson Fork
15	37	41	15	82	40	32	Thompson Fork
16	37	41	18	82	40	18	Thompson Fork
17	37	41	29	82	40	07	Clarks Branch

II. Flows, Sources of Pollution, and Treatment Technologies

Permit No. 836-0317

	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
OUTFALL NO. (list)	Operation (list)	Average/Design Flow (include units)	Description	List Codes from Table C-1
SW2	Surface Monitoring Point	0.033 cfs#	Discharge to Surface Water	4-A
SW8	Surface Monitoring Point	0.045 cfs#	Discharge to Surface Water	4-A
1	Sediment Control Pond	150.70 cfs*	Detention for Settling	1-U
2	Sediment Control Pond	177.40 cfs*	Detention for Settling	1-U
3	Sediment Control Pond	290.75 cfs*	Detention for Settling	1-U
4	Sediment Control Pond	16.27 cfs*	Detention for Settling	1-U
5	Sediment Control Pond	42.38 cfs*	Detention for Settling	1-U
6	Sediment Control Pond	37.86 cfs*	Detention for Settling	1-U
7	Sediment Control Pond	17.36 cfs*	Detention for Settling	1-U
8	Sediment Control Pond	19.81 cfs*	Detention for Settling	1-U
9	Sediment Control Pond	28.44 cfs*	Detention for Settling	1-U
10	Sediment Control Pond	27.10 cfs*	Detention for Settling	1-U
11	Sediment Control Pond	36.51 cfs*	Detention for Settling	1-U
12	Sediment Control Pond	24.40 cfs*	Detention for Settling	1-U
13	Sediment Control Pond	30.20 cfs*	Detention for Settling	1-U
14	Sediment Control Pond	34.46 cfs*	Detention for Settling	1-U
15	Sediment Control Pond	31.62 cfs*	Detention for Settling	1-U
16	Sediment Control Pond	18.06 cfs*	Detention for Settling	1-U
17	Sediment Control Pond	16.96 cfs*	Detention for Settling	1-U

#Normal Pool (based on field measurement)
*10 year-24 hour storm event

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)
Appalachian States Analytical, LLC	P.O. Box 520 Shelbiana, KY 41562	606-437-5616	pH, Suspended Solids, Sulfate, Manganese

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):
CLARK PERGREM, PRESIDENT	606-886-0611
SIGNATURE Clark Pergrem	DATE OCTOBER 2, 2007

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)	2											
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 6.92	MAXIMUM	MINIMUM	MAXIMUM				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		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. 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		73.36											
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		44											
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		0.12											
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		6.07											
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			0.002											
2M. Arsenic, Total (7440-38-2)	X			0.001											
3M. Beryllium Total (7440-41-7)	X			0.005											
4M. Cadmium Total (7440-43-9)	X			0.005											
5M. Chromium Total (7440-43-9)	X			0.02											
6M. Copper Total (7550-50-8)	X			0.01											
7M. Lead Total (7439-92-1)	X			0.05											
8M. Mercury Total (7439-97-6)	X			0.0002											
9M. Nickel, Total (7440-02-0)	X			0.005											
10M. Selenium, Total (7782-49-2)	X			0.002											
11M. Silver, Total (7440-28-0)	X			0.01											

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	
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	X			0.1											
13M. Zinc, Total (7440-66-6)	X			0.005											
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-Chloro-phenol (95-57-8)			X												
2A. 2,4-Dichlor-Orophenol (120-83-2)			X												
3A. 2,4-Dimeth-ylphenol (105-67-9)			X												
4A. 4,6-Dinitro-o-cresol (534-52-1)			X												
5A. 2,4-Dinitro-phenol (51-28-5)			X												
6A. 2-Nitro-phenol (88-75-5)			X												
7A. 4-Nitro-phenol (100-02-7)			X												
8A. P-chloro-m-cresol (59-50-7)															
9A. Pentachloro-phenol (87-88-5)			X												
10A. Phenol (108-05-2)			X												
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acena-phthene (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												

I DO HEREBY ATTEST THAT THIS IS A TRUE AND EXACT COPY OF THE ORIGINAL DOCUMENT.
NOTARY PUBLIC
MY COMMISSION EXPIRES 11-13-07
STATE OF COMMISSION KENTUCKY

APPALACHIAN STATES ANALYTICAL, L.L.C.

PO Box 520
Shelbiana, KY 41562

Pike Technical Services, Inc.
183 Tollage Creek
Pikeville, KY 41501

Date Received 5/01/07
Date Reported 5/10/07
Order Number 2007-03821

ATTN: Tom Bow or Bill Justice

TEST DESCRIPTION	RESULT	UNITS	METHOD	MDL	DATE	TECH
Fraction 2007-03821002						
Sample I.D SW-9 (836-5488)						
Date Sampled 4/30/2007						
Silver, Total	<0.01	mg/l	EPA 272.1	0.01	5/08/2007	SLC
Hardness	70.08	mg/l	SM 2340B	0.02	5/02/2007	SLC
Manganese, Total	0.02	mg/l	EPA 243.1	0.01	5/02/2007	SLC
Cadmium, Total	<0.005	mg/l	EPA 213.1	0.005	5/02/2007	SLC
Mercury, Total	<0.0002	mg/l	EPA 245.1	0.0002	5/08/2007	TT
Thallium, Total	<0.1	mg/l	EPA 279.1	0.1	5/07/2007	SLC
Temperature	NDP	C	SM 2550 B	0.4	4/30/2007	CLT
Specific Conductance, Field	NDP	umhos/cm			4/30/2007	CLT
pH, Lab	7.04	std	SM 4500 H+ -B	0.01	5/02/2007	CB
Fraction 2007-03821003						
Sample I.D SW-2 (836-0317)						
Date Sampled 4/30/2007						
Total Suspended Solids	2	mg/l	EPA 160.2	1	5/02/2007	CB
Antimony, Total	<0.002	mg/l	EPA 204.2	0.002	5/02/2007	SLC
Chromium, Total	<0.02	mg/l	EPA 218.1	0.02	5/08/2007	SLC
Nickel, Total	<0.005	mg/l	EPA 249.1	0.005	5/08/2007	SLC
Zinc, Total	<0.005	mg/l	EPA 289.1	0.005	5/08/2007	SLC
Flow	NDP	mgd			4/30/2007	CLT
Sulfate	44	mg/l	EPA 375.4	1	5/09/2007	TT
Arsenic, Total	0.001	mg/l	EPA 206.2	0.001	5/09/2007	DJ
Copper, Total	<0.01	mg/l	EPA 220.1	0.01	5/08/2007	SLC
Selenium, Total	<0.002	mg/l	EPA 270.2	0.002	5/03/2007	DJ
Iron, Total	0.12	mg/l	EPA 236.1	0.03	5/02/2007	SLC
Beryllium, Total	<0.005	mg/l	EPA 210.1	0.005	5/07/2007	SLC
Lead, Total	<0.05	mg/l	EPA 239.1	0.05	5/02/2007	SLC
Silver, Total	<0.01	mg/l	EPA 272.1	0.01	5/08/2007	SLC
Hardness	73.36	mg/l	SM 2340B	0.02	5/02/2007	SLC
Manganese, Total	6.07	mg/l	EPA 243.1	0.01	5/02/2007	SLC
Cadmium, Total	<0.005	mg/l	EPA 213.1	0.005	5/02/2007	SLC
Mercury, Total	<0.0002	mg/l	EPA 245.1	0.0002	5/08/2007	TT
Thallium, Total	<0.1	mg/l	EPA 279.1	0.1	5/07/2007	SLC
Temperature	NDP	C	SM 2550 B	0.4	4/30/2007	CLT
Specific Conductance, Field	NDP	umhos/cm			4/30/2007	CLT
pH, Lab	6.92	std	SM 4500 H+ -B	0.01	5/02/2007	CB

S & S WATER MONITORING, INC.

Environmental Testing & Consulting
4767 Hwy 580
Oil Springs, Kentucky 41238
Phone (606) 297-3621

LABORATORY ANALYSIS

Report No.: 1361

Collection Date: 2/13/06
Time of Collection: N/A
Date Received: 2/13/06

Name: Matt/Co. Inc.
Address: 439 Meadows Branch
Prestonsburg, 41653

Sample ID: SW-2, Corn Fork
Sample Type: Grab
Sampled By: N.S. & J.S.

Permit No.: 836-0317

IN-STREAM ANALYSIS

PARAMETER MEASURED	VALUE	UNITS
Flow Rate	0.0668	CFS
	7.47	S.U.
Acidity, as $CaCO_3$	0	Mg/l
Alkalinity, as $CaCO_3$	26	Mg/l
Specific Conductance	172	Uomhos/cm
Iron, Total	0.31	Mg/l
Manganese, Total	2.03	Mg/l
Sulfate	42	Mg/l
Suspended Solids, Total	8	Mg/l

UNITS: CFS = Cubic Feet per Second, S.U. = Standard Units, Mg/l = Milligrams per Liter.

I HEREBY CERTIFY THAT THE RESULTS WERE OBTAINED BY USING ACCEPTED ANALYTICAL PROCEDURES AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Respectfully Submitted: Jody Salisbury

I DO HEREBY ATTEST THAT THIS IS A TRUE AND EXACT COPY OF THE ORIGINAL DOCUMENT.
NOTARY PUBLIC
MY COMMISSION EXPIRES 11-13-07
STATE OF COMMISSION KENTUCKY

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)	6											
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 7.39	MAXIMUM	MINIMUM	MAXIMUM				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		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. 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		37.98											
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		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	
n. Sulfate (as SO_4) (14808-79-8)	X		24											
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		0.14											
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.02											
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			0.002											
2M. Arsenic, Total (7440-38-2)	X			0.001											
3M. Beryllium Total (7440-41-7)	X			0.005											
4M. Cadmium Total (7440-43-9)	X			0.005											
5M. Chromium Total (7440-43-9)	X			0.02											
6M. Copper Total (7550-50-8)	X			0.01											
7M. Lead Total (7439-92-1)	X			0.05											
8M. Mercury Total (7439-97-6)	X			0.0002											
9M. Nickel, Total (7440-02-0)	X			0.005											
10M. Selenium, Total (7782-49-2)	X			0.002											
11M. Silver, Total (7440-28-0)	X			0.01											

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	
METALS, CYANIDE AND TOTAL PHENOLS (Continued)															
12M. Thallium, Total (7440-28-0)	X			0.1											
13M. Zinc, Total (7440-66-6)	X			0.005											
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-methane (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-Chloro-phenol (95-57-8)			X												
2A. 2,4-Dichlor-Orophenol (120-83-2)			X												
3A. 2,4-Dimeth-ylphenol (105-67-9)			X												
4A. 4,6-Dinitro-o-cresol (534-52-1)			X												
5A. 2,4-Dinitro-phenol (51-28-5)			X												
6A. 2-Nitro-phenol (88-75-5)			X												
7A. 4-Nitro-phenol (100-02-7)			X												
8A. P-chloro-m-cresol (59-50-7)															
9A. Pentachloro-phenol (87-88-5)			X												
10A. Phenol (108-05-2)			X												
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X												
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acena-phthene (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-chloroethoxy)-methane (111-91-1)			X												
11B. Bis (2-chloroisopropyl)-Ether			X												
12B. Bis (2-ethylhexyl)-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												

I DO HEREBY ATTEST THAT THIS IS A TRUE AND EXACT COPY OF THE ORIGINAL DOCUMENT.
NOTARY PUBLIC
MY COMMISSION EXPIRES 11-13-07
STATE OF COMMISSION KENTUCKY

APPALACHIAN STATES ANALYTICAL, L.L.C.

PO Box 520
Shelbiana, KY 41562

Pike Technical Services, Inc.
183 Tollage Creek
Pikeville, KY 41501

Date Received 5/01/07
Date Reported 5/10/07
Order Number 2007-03821

ATTN: Tom Bow or Bill Justice

TEST DESCRIPTION	RESULT	UNITS	METHOD	MDL	DATE	TECH
Fraction 2007-03821001						
Sample I.D SW-8 (836-0317)						
Date Sampled 4/30/2007						
Total Suspended Solids	6	mg/l	EPA 160.2	1	5/02/2007	CB
Antimony, Total	<0.002	mg/l	EPA 204.2	0.002	5/02/2007	SLC
Chromium, Total	<0.02	mg/l	EPA 218.1	0.02	5/08/2007	SLC
Nickel, Total	<0.005	mg/l	EPA 249.1	0.005	5/08/2007	SLC
Zinc, Total	<0.005	mg/l	EPA 289.1	0.005	5/08/2007	SLC
Flow	NDP	mgd			4/30/2007	CLT
Sulfate	24	mg/l	EPA 375.4	1	5/09/2007	TT
Arsenic, Total	0.001	mg/l	EPA 206.2	0.001	5/09/2007	DJ
Copper, Total	<0.01	mg/l	EPA 220.1	0.01	5/08/2007	SLC
Selenium, Total	<0.002	mg/l	EPA 270.2	0.002	5/03/2007	DJ
Iron, Total	0.14	mg/l	EPA 236.1	0.03	5/02/2007	SLC
Beryllium, Total	<0.005	mg/l	EPA 210.1	0.005	5/07/2007	SLC
Lead, Total	<0.05	mg/l	EPA 239.1	0.05	5/02/2007	SLC
Silver, Total	<0.01	mg/l	EPA 272.1	0.01	5/08/2007	SLC
Hardness	37.98	mg/l	SM 2340B	0.02	5/02/2007	SLC
Manganese, Total	0.02	mg/l	EPA 243.1	0.01	5/02/2007	SLC
Cadmium, Total	<0.005	mg/l	EPA 213.1	0.005	5/02/2007	SLC
Mercury, Total	<0.0002	mg/l	EPA 245.1	0.0002	5/08/2007	TT
Thallium, Total	<0.1	mg/l	EPA 279.1	0.1	5/07/2007	SLC
Temperature	NDP	C	SM 2550 B	0.4	4/30/2007	CLT
Specific Conductance, Field	NDP	umhos/cm			4/30/2007	CLT
pH, Lab	7.39	std	SM 4500 H+ -B	0.01	5/02/2007	CB
Fraction 2007-03821002						
Sample I.D SW-9 (836-5488)						
Date Sampled 4/30/2007						
Total Suspended Solids	4	mg/l	EPA 160.2	1	5/02/2007	CB
Antimony, Total	<0.002	mg/l	EPA 204.2	0.002	5/02/2007	SLC
Chromium, Total	<0.02	mg/l	EPA 218.1	0.02	5/08/2007	SLC
Nickel, Total	<0.005	mg/l	EPA 249.1	0.005	5/08/2007	SLC
Zinc, Total	<0.005	mg/l	EPA 289.1	0.005	5/08/2007	SLC
Flow	NDP	mgd			4/30/2007	CLT
Sulfate	45	mg/l	EPA 375.4	1	5/09/2007	TT
Arsenic, Total	0.001	mg/l	EPA 206.2	0.001	5/09/2007	DJ
Copper, Total	<0.01	mg/l	EPA 220.1	0.01	5/08/2007	SLC
Selenium, Total	<0.002	mg/l	EPA 270.2	0.002	5/03/2007	DJ
Iron, Total	0.12	mg/l	EPA 236.1	0.03	5/02/2007	SLC
Beryllium, Total	<0.005	mg/l	EPA 210.1	0.005	5/07/2007	SLC
Lead, Total	<0.05	mg/l	EPA 239.1	0.05	5/02/2007	SLC

S & S WATER MONITORING, INC.

Environmental Testing & Consulting
4767 Hwy 580
Oil Springs, Kentucky 41238
Phone (606) 297-3621

LABORATORY ANALYSIS

Report No.: 1367

Collection Date: 2/13/06
Time of Collection: N/A
Date Received: 2/13/06

Name: Matt/Co. Inc.
Address: 439 Meadows Branch
Prestonsburg, 41653

Sample ID: : SW-8, Thompson Branch
Sample Type: Grab
Sampled By: N.S. & J.S.

Permit No.: 836-0317

IN-STREAM ANALYSIS

PARAMETER MEASURED	VALUE	UNITS
Flow Rate	0.0334	CFS
	7.23	S.U.
Acidity, as $CaCO_3$	0	Mg/l
Alkalinity, as $CaCO_3$	8	Mg/l
Specific Conductance	115	Uomhos/cm
Iron, Total	0.32	Mg/l
Manganese, Total	0.08	Mg/l
Sulfate	30	Mg/l
Suspended Solids, Total	5	Mg/l

UNITS: CFS = Cubic Feet per Second, S.U. = Standard Units, Mg/l = Milligrams per Liter.

I HEREBY CERTIFY THAT THE RESULTS WERE OBTAINED BY USING ACCEPTED ANALYTICAL PROCEDURES AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Respectfully Submitted: Jody Salisbury

I DO HEREBY ATTEST THAT THIS IS A TRUE AND EXACT COPY OF THE ORIGINAL DOCUMENT.
Jeffry N Walter
NOTARY PUBLIC
MY COMMISSION EXPIRES 1-13-07
STATE OF COMMISSION KENTUCKY

KPDES FORM HQAA

Kentucky Pollutant Discharge Elimination System (KPDES)

High Quality Water Alternative Analysis

The Antidegradation Implementation Procedures outlined in 401 KAR 5:030, Section 1(3)(b)5 allows an applicant who does not accept the effluent limitations required by subparagraphs 2 and 3 of 5:030, Section 1(2)(b) to demonstrate to the satisfaction of the Environmental and Public Protection Cabinet that no technologically or economically feasible alternatives exist and that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the water is located. The approval of a POTW's regional facility plan pursuant to 401 KAR 5:006 shall demonstrate compliance with the alternatives analysis and socioeconomic demonstration for a regional facility. This demonstration shall also include this completed form and copies of any engineering reports, economic feasibility studies, or other supporting documentation

Facility Name:	**Matt/Co, Inc.**	**KPDES NO.:**	**Pending**
Address:	**439 Meadows Branch**	**County:**	**Floyd**
City, State, Zip Code:	**Prestonsburg, KY 41653**	**Receiving Water Name:**	**Thompsons Fork Souders Branch**

1. **Discharge to other treatment facilities.** Indicate which treatment works have been considered and provide the reasons why discharge to these works is not feasible.

Reference Attached II, Alternatives Analysis, Item 1.

2. **Use of other discharge locations.** Indicate what other discharge locations have been evaluated and the reasons why these locations are not feasible.

Reference Attached II, Alternatives Analysis, Item 2.

3. **Water reuse or recycle.** Provide information about opportunities for water reuse or recycle at this facility. If water reuse or recycle is not a feasible alternative at this facility, please indicate the reasons why.

Reference Attached II, Alternatives Analysis, Item 3.

4. **Alternative process or treatment options.** Indicate what process or treatment options have been evaluated and provide the reasons they were not considered feasible.

Reference Attached II, Alternatives Analysis, Item 4.

5. **On-site or subsurface disposal options.** Discuss the potential for on-site or subsurface disposal. If these options are not feasible, then please indicate the reasons why.

Reference Attached II, Alternatives Analysis, Item 5.

6. **Evaluation of any other alternatives to lowering water quality.** Describe any other alternatives that were evaluated and provide the reasons why these alternatives were not feasible.

Reference Attached II, Alternatives Analysis, Item 6.

III. Socioeconomic Demonstration

1. State the positive and beneficial effects of this facility on the existing environment or a public health problem.

   Reference Attached III, Socioeconomic Demonstration, Item 1.

2. Describe this facility's effect on the employment of the area

   Reference Attached III, Socioeconomic Demonstration, Item 2.

3. Describe how this facility will increase or avoid the decrease of area employment.

   Reference Attached III, Socioeconomic Demonstration, Item 3.

4. Describe the industrial or commercial benefits to the community, including the creation of jobs, the raising of additional revenues, the creation of new or additional tax bases.

   Reference Attached III, Socioeconomic Demonstration, Item 4.

5. Describe any other economic or social benefits to the community.

   Reference Attached III, Socioeconomic Demonstration, Item 5.

III. Socioeconomic Demonstration - continued

	Yes	No
6. Will this project be likely to change median household income in the county?	☒	☐
7. Will this project likely change the market value of taxable property in the county?	☒	☐
8. Will this project increase or decrease revenues in the county?	☒	☐
9. Will any public buildings be affected by this system?	☐	☒

10. How many households will be *economically* or *socially* impacted by this project? **30**
Reference Attached III, Socioeconomic Demonstration, Item 10.

11. How will those households be *economically* or *socially* impacted? (For example, through creation of jobs, educational opportunities, or other social or economic benefits.)

Reference Attached III, Socioeconomic Demonstration, Item 11.

	Yes	No
12. Does this project replace any other methods of sewage treatment to existing facilities? (If so describe how)	☐	☒

Reference Attached III, Socioeconomic Demonstration, Item 12.

	Yes	No
13. Does this project treat any existing sources of pollution more effectively? (If so describe how.)	☒	☐

Reference Attached III, Socioeconomic Demonstration, Item 12.

III. Socioeconomic Demonstration - continued

	Yes	No
14. Does this project eliminate any other sources of discharge or pollutants? (If so describe how.)	☐	☒

Reference Attached III, Socioeconomic Demonstration, Item 14.

15. How will the increase in production levels positively affect the socioeconomic condition of the area?

Reference Attached III, Socioeconomic Demonstration, Item 15.

16. How will the increase in operational efficiency positively affect the socioeconomic condition of the area?

Reference Attached III, Socioeconomic Demonstration, Item 16.

IV 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 Title:	**Clark Pergrem, President**	**Telephone No.:**	**606-886-0611**
Signature:	Clark Pergrem	**Date:**	**October 2, 2007**

II. Alternative Analysis

Item 1 Alternative treatment works have been investigated. The nearest water treatment system according to the Prestonsburg Utilities is at Prestonsburg, which is approximately 8.2 miles away. It would cost approximately $2,034,400 at $40/foot to contract the installation of 50,860 feet of collection lines and another $1,740,000 to send the discharge to the nearest treatment facility at Prestonsburg. This would be a total cost of $3,774,400 to collect and transport the discharge to the Prestonsburg facility. A sedimentation pond would also need to be installed at the Prestonsburg facility to remove the silt from the discharges. Construction and maintenance of this sedimentation would cost approximately $40,000. Total costs to collect, transport and treat the discharges in this manner would exceed $3,814,400.

Item 2 Corn Fork of Brandy Keg Creek will directly receive the discharge from the operation located in Corn Fork. Other streams that could receive discharge include Souders Branch, Thompson Fork, and Clarks Branch. To collect and gather discharge from Corn Fork would coat $417,800 at $40.00 a foot for piping. To collect from the other areas would cost $328,000 (Souders Branch), $367,600 (Thompson Fork) and $921,000 (Clarks Branch) for a total of $2,034,400. This cost is exclusive of the $1,740,000 to transport to Prestonsburg.

The streams within a reasonable distance empty into the Levisa Fork. This added expense as an alternative is not viable since Levisa will eventually receive the discharges anyway.

Item 3 Water could be reused for dust suppression at the project site; however, the amount used is minimal when compared to the total discharge. The total drainage area is approximately 800 acres with a discharge of 1,600 gallons per minute or approximately 96,000 gallons per hour.

While a portion of the water could be used for dust suppression, it is generally required only during dry times when discharges are low or non-existent. Again, the amount of water used would be minimal. A water truck can carry approximately 5,000 gallons of water. Roads, etc. are generally watered twice a day during dry times. This equates to no other water is needed for recycling or reuse with the operation.

Item 4 Construction of a small package plant at the site is not feasible due to the cost of purchasing and installing a small package plant ($50,000). Additional costs would be incurred to maintain the facility, perform repairs when necessary and remove the plant after operations are complete. Construction of silt fences and straw bales are inadequate and not permissible for this amount of disturbance.

Item 5 The only way to store the discharge on site is with a pond. To maintain the water on site without a discharge would require a very large pond. This pond would have to be built in the stream thus impacting a vast portion of the stream and causing a more detrimental environmental impact that is not needed. It is nearly impossible to construct a facility that would never discharge. The cost of constructing such a structure would magnify the original pond construction cost of $10,000 by 100 fold.

Item 6 Other alternatives reviewed include reducing the standards for discharge or avoiding the project altogether.

By reducing the water quality limits, the project would experience increases in costs and additional time spent. Larger in-stream ponds would have to be constructed which would have a substantial negative impact on streams and could cost as much as $1,000,000 for construction and stream mitigation of each. Large volumes of water would need to be stored within these structures producing more danger if a structural failure were to occur. The costs of removing these ponds would also be much greater (approximately $100,000 per pond).

Another option to consider is to avoid the project altogether. This would have many negative affects on the area including reduction of employment and the loss of valuable coal that currently keeps Kentucky's electric costs the lowest in the nation. Avoiding this operation would not only affect coal miners but also the many businesses that provide support to the mining industry. This would eliminate the 30 new jobs. It would cancel indirect affects on approximately 50 local suppliers and their families. It would do away with the 5.4 millions dollars of coal severance taxes and the income taxes which come directly into both the state and local economy.

III. Socioeconomic Demonstration

Item 1 This operation will provide sediment control facilities in areas where there have been previous mining. These facilities will control the discharge of an area covering approximately 800 acres.

The movement of sediment is mostly unabated within the area but the proposed mining operation will create and maintain sediment control structures in the form of ponds. These will treat existing problems and reduce or eliminate their effect on the environment.

Item 2 This mining operation would provide employment for approximately 30 men. These jobs provide higher wages than other industry jobs in Floyd County. The average weekly wage in the mining industry for Floyd County is $778.76. The average weekly wage for all industries in Floyd County is $545.49 (U.S. Bureau of Labor Statistics).

Item 3 The economy of Floyd County is dependent on the mining industry. The proposed mine would be a new mine with all new personnel needed for operation. It will directly provide employment for approximately 30 men. This would give out-of-work miners and associated personnel an opportunity for employment while also providing possibilities for entry-level personnel to gain experience in the mining industry. This will also affect the industries that supply the material and equipment needed for mining, as well as engineering services and training that are needed for the mining industry for employment of as many as 50 other people.

Item 4 Each new mine proposed will solidify the employment for people who may currently be employed looking for better paying jobs in the mining industry. This would allow experienced personnel to advance from current positions thus opening up new positions for less experienced miners who need employment. The proposed life of this mine is 5 years with additions possible. Approximately 2,844,300 tons is expected to be recovered from this mine which will generate around $5,439,723 in severance taxes. Floyd County will receive approximately $815,958 (15%) of these taxes to be used for local education, health care, and other city and county projects.

New revenue for Floyd County would also be generated from local income, property and sales taxes. The facilities will create additional revenue to the local businesses of the area through supplies and services needed for the mining operation and fulfilling the needs of the employees of the operation. The proposed mining will increase economic benefits to the area and will perpetuate those already in existence.

Item 5 The jobs this proposed mine will create provide some of the highest wages in Floyd County. With an average weekly wage of$778.76, a Floyd County miner makes approximately $233.00 dollars more on the week than the average industry worker in Floyd County. The creation of these jobs also allows taxes to be collected spurring community development and the creation of non-coal related jobs. Severance taxes can be used to improve schools, water lines, sewage facilities and other community resources of Floyd County.

Item 10 The facility is expected to employ approximately 30 men. Thus it will impact the 30 households of those men plus the households of at least another 50 local business owners in Floyd and surrounding counties and their employees that provide goods and services to the facility.

Item 11 The households of the 30 employees will be impacted by the higher than average incomes provided by the jobs. The average weekly wage in the mining industry for Floyd County is $778.76. The average weekly wage for all industries in Floyd County is $545.49 (U.S. Bureau of Labor Statistics). Another 50 households of the business owners and workers who provide services for the mine will be impacted by the increased revenue this mine will provide to the existing businesses. The employees will be impacted positively with a more secure employment outlook due to the increased revenue.

Item 12 There are no other existing sewage treatment facilities located within the area to replace. The nearest facility is 8.2 miles away.

Item 13 Any discharges that exist in the proposed mining area because of pre-law mining and logging activities along with all other discharges in the area will now be treated under this operation.

Item 14 This area has been logged and a portion of the Broas seam has been previously contour mined by pre-law operations and the Richardson seam has been mountain top mined. Drainage that flows through previously mined areas and areas that have been logged will flow through proposed sediment ponds. Thus these current and anticipated discharges will be treated in the proposed structures.

Item I5 The increase in productivity levels not only provides jobs in Floyd County at a higher than average wage ($778.76 for mining jobs vs. $545.49 for other industries) but will create additional revenue for the businesses of the area. The additional revenue of the local businesses and the severance tax dollars (approximately $5,439,723) generated by the project will provide the local government with additional tax revenues. These can be utilized for public safety including law enforcement, fire control, and ambulance services while also aiding in the industrial and economic development of the area.

Item 16 By conducting the preponderance of this operation through underground and contour mining, we are disturbing much less surface area and accessing the coal in a more environmentally friendly way. Discharges will be reduced drastically as the surface area involved is only a fraction of what would be involved in a surface area mining operation. Efficiency is increased as much less overburden needs to be removed and costs can be kept down thus providing more money to be available for the workers and in turn the economy of the area when the workers purchase goods such as homes, automobiles and food.

The contour mining portion of this permit will return mine areas to A.O.C. while reestablishing approximate original drainage patterns and vegetation.

PTSI

PIKE TECHNICAL SERVICES, INC.
183 Tollage Creek
Pikeville, Kentucky 41501
Phone: (606) 432-0300 or Fax: (606) 433-1820

October 4, 2007

Mr. Larry Sowder
Environmental and Public Protection Cabinet
Division of Water
Frankfort Office Park
14 Reilly Road
Frankfort, KY 40601

Re: Matt/Co, Inc.
DNR Permit No. 836-0317
KPDES Permit No. Pending

Dear Mr. Sowder:

On behalf of Matt/Co, Inc., I wish to submit for review and processing an individual KPDES for the above-referenced mining operation located in Corn Fork, Souders Branch, and Thompson Fork in Floyd County, Kentucky. This permit will have two (2) surface water monitoring points and seventeen (17) sediment ponds. I have included KPDES Forms 1, C and HQAA as well as pertinent maps and analyses required for an individual KPDES permit.

Please feel free to contact me if you have any questions or need additional information.

Sincerely,

Misty Stevens

Misty Stevens
Project Manager

c: file

STEVEN L. BESHEAR
GOVERNOR

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

ROBERT D. VANCE
SECRETARY

December 26, 2007

Clark Pergrem
MATT/CO, Inc.
439 Meadows Branch
Prestonsburg, KY 41653

Re: KPDES Application Complete
KPDES No.: KY0107212
Matt/Co
AI ID: 81656
Activity ID: APE20070001
Floyd County, Kentucky

Dear Mr. Pergrem,

Your revised Kentucky Pollutant Discharge Elimination System (KPDES) permit application for the above-referenced facility was received by the Division of Water on October 12, 2007. A completeness review of your permit application has been conducted. Please be aware that you may be asked to provide additional information to clarify, modify, or supplement your application material. In accordance with 401 KAR 5:075, Section 1(7) you are being provided written notification that your application has been deemed complete as of the date of this letter.

If you have any questions concerning this matter, please call me at (502) 564-8158, extension 590.

Sincerely,

Sara Beard
Environmental Engineer Assistant III
KPDES Branch
Division of Water

SJB
Enclosures
c: Hazard Regional Office
Division of Water Files