



State of Ohio Environmental Protection Agency

Southeast District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

May 8, 2008

Re: Pike County
Village of Beaver
Ohio EPA Permit No. OPA00088*CD
NPDES Permit No. OH0041505
Correspondence (PWW)

Mayor and Council
Village of Beaver
P.O. Box 238
Beaver, Ohio 45613

Dear Mayor and Council:

On May 7, 2008, I conducted a compliance evaluation inspection of the Village of Beaver waste water treatment plant (WWTP) located at 5995 Beaver Pike, Beaver, Ohio. Greg Wilson accompanied me during the inspection and represented the Village of Beaver. The purpose of the inspection was to determine if the village was meeting the terms and condition set forth in the National Pollutant Discharge Elimination System (NPDES) Permit.

The following are concerns/comments which arose during the inspection.

1. At the time of the inspection, the following systems were not operating:

- The grit removal system
- The sludge rake for the clarifier
- The air lift sludge return/waste system.

The combination of the sludge rake and sludge return/waste systems being inoperable resulted in excess sludge build-up in the clarifier, which was then denitrifying and floating to the surface of the clarifier. Many rags and plastics were visible floating on the surface of the clarifier as a result of the grit removal system not operating.

Failing to maintain the above mentioned treatment systems is a violation of Part III, Item 3 of the NPDES Permit. Please be advised that failure to comply the requirements of your NPDES permit may be cause for enforcement action pursuant to the Ohio Revised Code Chapter 6111. All treatment units must be returned to service as soon as possible.

2. Excess solids from the poorly operating clarifier had been and were discharging to the sand filters. At the time of the inspection, only one of the sand filters was receiving waste water. The other filter was dry and becoming overgrown with weeds. The presence of plants in the sand filters is indicative of poor routine maintenance.

Again, failing to properly maintain the sand filters is a violation of Part III, Item 3 of the NPDES Permit. Please be advised that failure to comply the requirements of your NPDES permit may be cause for enforcement action pursuant to the Ohio Revised Code Chapter 6111.

3. At the time of the inspection, the effluent from the Beaver WWTP entering Swift Creek was dark black with a strong odor. The condition of the effluent was indicative inadequate treatment occurring in the WWTP.
4. The daily log book, which is required per OAC 3745-07-09, was not available at the time of the inspection. Greg stated that the daily log was kept on an encrypted computer at the Beaver water treatment plant. The daily log records must be kept at the WWTP and made available upon request. Please move or keep an updated copy of the daily log available at the Beaver WWTP.
5. We have received your self-monitoring reports covering the months of January 2007 to March 2008 for the referenced facility. Our review indicates violations of the conditions of your NPDES permit. The specific instances of noncompliance and/or deficiencies are as follows:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2006	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.66667	1/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.7	.94928	1/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.2	1/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	1.0	2.19379	1/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	4.8	1/22/2006
March 2006	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	14.15	3/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.7	1.45912	3/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	26.	3/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	1.0	2.65707	3/15/2006
May 2006	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.2	5/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.2	5/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.2	.36336	5/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.36336	5/1/2006
	001	Fecal Coliform	30D Conc	1000	25000.	5/1/2006
June 2006	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	5.05	6/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.4	6/1/2006

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.2	.53009	6/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.78425	6/1/2006
	001	Fecal Coliform	30D Conc	1000	21000.	6/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.7	6/15/2006
	001	Fecal Coliform	7D Conc	2000	21000.	6/22/2006
July 2006	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	10.05	7/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.1	7/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.2	1.41029	7/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	1.00378	7/1/2006
	001	Fecal Coliform	30D Conc	1000	110000.	7/1/2006
	001	Fecal Coliform	7D Conc	2000	110000.	7/8/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	15.	7/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	1.8168	7/15/2006
August 2006	001	Total Suspended Solids	7D Conc	18	22.	8/22/2006
September 2006	001	Total Suspended Solids	30D Conc	12	12.75	9/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	7.745	9/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.2	1.25219	9/1/2006
	001	Total Suspended Solids	7D Conc	18	31.	9/15/2006
	001	Total Suspended Solids	7D Qty	4.1	5.04541	9/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	15.	9/15/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	2.44133	9/15/2006
October 2006	001	Total Suspended Solids	30D Conc	12	20.25	10/1/2006
	001	Total Suspended Solids	7D Conc	18	46.	10/1/2006
	001	Total Suspended Solids	30D Qty	2.7	3.46044	10/1/2006
	001	Total Suspended Solids	7D Qty	4.1	9.22783	10/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	10.5533	10/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	30.	10/1/2006
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.2	2.07678	10/1/2006
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	6.01815	10/1/2006
	001	Fecal Coliform	30D Conc	1000	4381.78	10/1/2006
	001	CBOD 5 day	7D Conc	15	21.	10/1/2006
	001	CBOD 5 day	7D Qty	3.4	4.21271	10/1/2006
	001	Fecal Coliform	7D Conc	2000	4800.	10/15/2006
	001	Fecal Coliform	7D Conc	2000	4000.	10/22/2006
February 2007	001	Total Suspended Solids	30D Conc	12	79.3333	2/1/2007
	001	Total Suspended Solids	30D Qty	2.7	25.7708	2/1/2007
	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	25.	2/1/2007
	001	Nitrogen, Ammonia (NH3)	30D Qty	0.7	4.44738	2/1/2007
	001	CBOD 5 day	30D Conc	10	28.4	2/1/2007

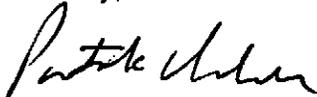
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
	001	CBOD 5 day	30D Qty	2.3	10.2490	2/1/2007
	001	Total Suspended Solids	7D Conc	18	110.	2/8/2007
	001	Total Suspended Solids	7D Qty	4.1	19.5684	2/8/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	25.	2/8/2007
	001	Nitrogen, Ammonia (NH3)	7D Qty	1.0	4.44738	2/8/2007
	001	CBOD 5 day	7D Conc	15	25.	2/8/2007
	001	CBOD 5 day	7D Qty	3.4	4.44738	2/8/2007
	001	Total Suspended Solids	7D Conc	18	120.	2/15/2007
	001	Total Suspended Solids	7D Qty	4.1	56.775	2/15/2007
	001	CBOD 5 day	7D Conc	15	54.	2/15/2007
	001	CBOD 5 day	7D Qty	3.4	25.5487	2/15/2007
March 2007	001	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.8	3/1/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.	3/15/2007
May 2007	001	Total Suspended Solids	30D Conc	12	28.	5/1/2007
	001	Total Suspended Solids	7D Conc	18	30.	5/1/2007
	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.1	5/1/2007
	001	Total Suspended Solids	7D Conc	18	26.	5/15/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.1	5/15/2007
June 2007	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	11.1133	6/1/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.34	6/1/2007
	001	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.30999	6/1/2007
	001	Fecal Coliform	30D Conc	1000	5600.	6/1/2007
	001	Fecal Coliform	7D Conc	2000	5600.	6/1/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	17.	6/8/2007
	001	Total Suspended Solids	7D Conc	18	24.6	6/15/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	14.	6/15/2007
July 2007	001	Fecal Coliform	30D Conc	1000	6100.	7/1/2007
	001	Fecal Coliform	7D Conc	2000	6100.	7/15/2007
August 2007	001	Nitrogen, Ammonia (NH3)	30D Conc	1.0	8.275	8/1/2007
	001	Nitrogen, Ammonia (NH3)	7D Conc	1.5	16.4	8/1/2007
	001	Fecal Coliform	30D Conc	1000	26000.	8/1/2007
	001	Fecal Coliform	7D Conc	2000	26000.	8/22/2007
September 2007	001	Fecal Coliform	30D Conc	1000	20000.	9/1/2007
	001	Fecal Coliform	7D Conc	2000	20000.	9/15/2007
October 2007	001	Fecal Coliform	30D Conc	1000	7400.	10/1/2007
	001	Fecal Coliform	7D Conc	2000	7400.	10/22/2007
March 2008	001	Total Suspended Solids	7D Qty	4.1	4.66691	3/15/2008

Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your NPDES permit may be cause for enforcement action pursuant to the Ohio Revised Code Chapter 6111.

In your response to this letter, please provide an explanation of each of the above referenced violations as well as a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

A copy of the inspection report is enclosed with this letter. Please submit a written response to the aforementioned comments within thirty (30) days of receipt of this letter. Additionally, in your response to items 1 and 2, please provide an explanation for the failure to properly maintain the identified treatment systems. If you have any questions or comments, please contact me at (740) 380-5226.

Sincerely,



Patrick Hudnall
District Representative -
Division of Surface Water

PH/dh

c: Greg Wilson, Operator

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPA00088	OH0041505	May 7, 2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Beaver WWTP 5995 Beaver Pike Beaver, Ohio	9:45 AM	July 1, 2006
	Exit Time	Permit Expiration Date
	11:30 AM	June 30, 2011

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Greg Wilson, Operator	740-645-4228
Name, Address and Title of Responsible Official	Phone Number
Village of Beaver PO Box 238 Beaver, Ohio 45640	740-226-2111

C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment
<u>M</u> Records/Reports	<u>S</u> Laboratory	<u>N/A</u> Compliance Schedules
<u>U</u> Operations & Maintenance	<u>U</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>U</u> Facility Site Review	<u>U</u> Sludge Storage/Disposal	<u> </u> Other
<u>M</u> Collection System		

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached inspection letter



 Patrick Hudnall, Inspector, Ohio EPA, Southeast District Office

5/8/08

 Date



 Timothy M Campbell, Reviewer, Ohio EPA, Southeast District Office

5/8/08

 Date