



State of Ohio Environmental Protection Agency

Southeast District Office

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Logan, Ohio 43138

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

May 12, 2008

Re: Pike County
Village of Piketon
Ohio EPA Permit No. 0PB00031*ED
NPDES Permit No. OH0027031
Correspondence (PWW)

Mayor Bill Spencer
Village of Piketon
109 Third Street
Piketon, Ohio 45661

Dear Mayor Spencer:

On Thursday, May 1, 2008, Fred Snell and I conducted a compliance evaluation inspection at the Piketon Wastewater Treatment Plant (WWTP) located on Old Jasper Road. Mike Shaw represented the village and assisted us during the inspection. The purpose of the inspection was to determine if the treatment plant was meeting the terms and conditions set forth in the NPDES permit.

The following were concerns that arose during the inspection.

1. During the inspection, Mike and I discussed the Village's plan to reconfigure the grit chamber to better maintain the intended flow pattern. Mike indicated that this work was planned to take place within a month.
2. At the time of the inspection, the boiler which produced the heat to operate the anaerobic digester was not working. According to Mike, this was the result of a water leak over the pilot flame for the boiler. Mike indicated that repair technicians had been contacted and the problem would be fixed as quickly as possible.
3. As stated in the April 24, 2007 inspection report, the wet well pumps for the secondary clarifiers are inadequately sized. As of this inspection, the pumps had not been replaced, but, according to Mike, the new pump installation would be completed within a month.
4. During the inspection and several previous conversations, it was stated that the Village of Piketon has not taken any action to locate or repair sources of Inflow/Infiltration (I/I) in the sanitary sewer collection system. In your response to this letter, include a plan to investigate the Piketon sewage collection system for possible sources of I/I.

5. At the time of the inspection, there was not a Quality Assurance/Quality Control (QA/QC) Manual for the laboratory. The village must develop, make available and follow a QA/QC Manual for the laboratory tests conducted at the Piketon WWTP Laboratory.

6. During an investigation of the Piketon sewage collection system near Pike Sanitation Landfill and the Zahn's Corner Industrial Park, some issues were discovered with the manhole across the road from the Jackson Building and just up stream of the pump station. The issues were associated with the force main which discharged into the manhole. The force main entered the manhole approximately 8 feet above the manhole floor with out a drop structure to lessen the energy exerted on the floor of the manhole. As a result, the floor of the manhole was becoming visibly eroded. The cored hole through which the force main entered the manhole was not properly sealed to prevent ground water from entering the manhole (this is a good example of the types of problems which can be easily identified and remedied during a comprehensive manhole survey). The village should immediately take corrective action to prevent further erosion of the manhole floor and eliminate a possible source of I/I.

A copy of our inspection form is enclosed with this letter. Please submit a written response to the above comments within 45 days of receipt of this letter. 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

Enclosure

c: Village Council
c: Ronda Clemmons, Village Administrator
c: Mike Shaw, Operator

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0PB00031*ED	OH0027031	May 1, 2008	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Piketon WWTP Old Jasper Road Piketon, Ohio 45661	9:30 a.m.	July 1, 2006
	Exit Time	Permit Expiration Date
	10:15 a.m.	June 30, 2011

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mike Shaw, Operator	(740) 357-0065
Name, Address and Title of Responsible Official	Phone Number
Village of Piketon 109 Third Street Piketon, Ohio 45661	(740) 289-8154

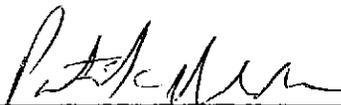
C. AREAS EVALUATED DURING INSPECTION

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

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

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

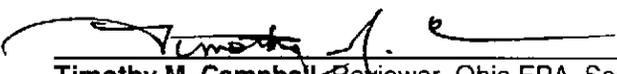
See attached inspection letter.



Patrick Hudnall, Inspector, Ohio EPA, Southeast District Office

5/9/08

Date



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

5/9/08

Date

Sections E through K: Complete on all inspections as appropriate (N/A = Not Applicable N/E = Not Evaluated)

E. PERMIT VERIFICATION

Inspection Observations, Verify the Permit	Yes	No	N/A	N/E
a. Correct name and mailing address of permittee	X			
b. Correct name and location of receiving waters	X			
c. Product(s) and production rates conform with permit application (industries)	X			
d. Flows and loadings conform with NPDES permit	X			
e. Treatment processes are as described in permit application/briefing memo	X			
f. New treatment process(es) added since last inspection		X		
g. Notification given to state of new, different, or increased discharges			X	
h. All discharges are permitted	X			
i. Number and location of discharge points are as described in permit	X			

Comments:

F. COMPLIANCE SCHEDULES/VIOLATIONS

	Yes	No	N/A	N/E
a. Any significant violations since the last inspection		X		
b. Permittee is taking actions to resolve violations			X	
c. Permittee has compliance schedule		X		
d. Compliance schedule contained in: _____			X	
e. Permittee is meeting compliance schedule			X	

Comments:

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator <input checked="" type="checkbox"/> Dual Feed _____	X			
b. Adequate alarm system available for power or equipment failures	X			
c. All treatment units in service other than backup units	X			
d. Sufficient operating staff provided: # of shifts <u>1</u> Days/Week <u>5</u>				
e. Operator holds unexpired license of class required by permit Class: <u>III</u>				
f. Routine and preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection		X		
h. Operation and maintenance manual provided and maintained	X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses: _____ on MORS _____ 800 Number			X	
k. Any hydraulic and/or organic overloads experienced since last inspection	X			

Comments:

Collection System	Yes	No	N/A	N/E
a. Percent combined system: 0%				
b. Any collection system overflows since last inspection (CSO ____ SSO 1)	X			
c. Regulatory agency notified of overflow (SSOs)	X			
d. CSO O and M plan provided and implemented			X	
e. CSOs monitored and reported in accordance with permit			X	
f. Portable pumps used to relieve system		X		
g. Lift station alarm systems provided and maintained	X			
h. Are lift stations equipped with permanent standby power or equivalent	X			
i. Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection	X*			
j. Any complaints received since last inspection of basement flooding	X**			
k. Are any portions of the sewer system at or near capacity		X		

Comments: *Yes there is an I/I problem, but no work to identify or eliminate the I/I have taken place yet.

**This was the one occasion of an SSO.

H. SLUDGE MANAGEMENT

- a. Sludge Management Plan (SMP): _____ Submitted Date
 _____ Approval Number
 _____ Not submitted
 _____ N/A

	Yes	No	N/A	N/E
b. Sludge Management Plan current			X	
c. Sludge adequately disposed (Method: <u>Landfill (Synagro land applies when contracted)</u>)	X			
d. If sludge is incinerated, where is ash disposed of? _____		X		
e. Is sludge disposal contracted (Name: <u>Synagro</u>)	X*			
f. Has amount of sludge generated changed significantly since last inspection		X		
g. Adequate sludge storage provided at plant		X		
h. Land application sites monitored and inspected per SMP				
i. Records kept in accordance with state and federal law	X			
j. Any complaints received in last year regarding sludge		X		
k. Is sludge adequately processed (digestion, dewatering, pathogen control)	X			

Comments: *In cases of emergency, not a typical procedure.

I. SELF-MONITORING PROGRAM

Part 1 - Flow Measurement		Yes	No	N/A	N/E
a.	Primary flow measuring device properly operated & maintained. Type of device: <input type="checkbox"/> ultrasonic & parshall flume <input type="checkbox"/> calculated from influent <input type="checkbox"/> weir <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> ultrasonic & weir Specify: <u>Mag meter on influent</u>	X			
b.	Calibration frequency adequate (date of last calibration: <u>Fall of 2007</u>)	X			
c.	Secondary instruments (totalizers, recorders etc.) properly operated and maintained	X			
d.	Flow measurement equipment adequate to handle expected ranges of flows	X			
e.	Actual flow discharged is measured	X			
f.	Flow measuring equipment inspection frequency: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Other				

Comments:

Part 2 - Sampling		Yes	No	N/A	N/E
a.	Sampling location(s) are as specified by permit	X			
b.	Parameters and sampling frequency agree with permit	X			
c.	Permittee uses required sampling method	X			
d.	Sample collection procedures are adequate	X			
i.	Samples refrigerated during compositing	X			
ii.	Proper preservation techniques used	X			
	Conform with 40 CFR 136.3				
e.	Monitoring records (e.g., flow, pH, D.O., etc.) maintained for a minimum of three years including all original strip chart recordings (e.g., continuous monitoring instrumentation, calibration, and maintenance records)	X			
f.	Adequate records maintained of sampling date, time, exact location, etc.	X			

Comments:

Part 3, Laboratory - General		Yes	No	N/A	N/E
a.	EPA approved analytical testing procedures used (40 CFR 136.3)	X			
b.	If alternate analytical procedures are used, proper approval has been obtained				
c.	Analyses being performed more frequently than required by permit	X			
d.	If (c) is yes, are results reported in permittee's self-monitoring report	X			
e.	Commercial laboratory used				
	1. Parameters analyzed by commercial lab: <u>Metals, fecals, ammonia</u>				
	2. Lab name: <u>MASI</u>				

Comments:

Part 3, Laboratory - Quality Control/Quality Assurance		Yes	No	N/A	N/E
f.	Quality assurance manual provided and maintained		X		
g.	Satisfactory calibration and maintenance of instruments and equipment	X			
h.	Adequate records maintained	X			
i. Results of latest U.S. EPA quality assurance performance sampling program:					
Date: _____ N/A _____		_____ Satisfactory			
		_____ Marginal			
		_____ Unsatisfactory			

Comments:

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall #	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Float Solids	Color	Other
001	None	None	None	None	None	None	

Comments:

K. MULTIMEDIA OBSERVATIONS

	Yes	No	N/A	N/E
a. Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b. Do you notice staining or discoloration of soils, pavement, or floors		X		
c. Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d. Do you see unidentified dark smoke or dustclouds coming from sources		X		
e. Do you notice any unusual odors or strong chemical smells		X		
f. Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

If any of the above are observed, ask the following questions:

1. What is the cause of the conditions?
2. Is the observed condition or source a waste product?
3. Where is the suspected contaminant normally disposed?
4. Is this disposal permitted?
5. How long has the condition existed and when did it begin?

Comments: