



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

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

January 14, 2008

Re: Pike County
Village of Piketon
Ohio EPA Permit No. OPB00031*ED
NPDES Permit No. OH0027031
Correspondence (PWW)

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

Dear Mayor Spencer:

On Wednesday, December 12, 2007, 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. As stated in several previous inspection reports, the grit removal chamber has several deficiencies. 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 once the first round of funding has been secured. This work should be completed as soon as possible.
2. As stated in the April 24, 2007 inspection report, the north primary clarifier appeared to be receiving proportionately more flow than the south primary clarifier and resulting in the hydraulic overloading of the north primary clarifier. Mike indicated that he was manually adjusting the valves to each primary clarifier to achieve uniform flow between the two. However, fluctuations in influent flow still resulted in the hydraulic overloading of the north primary clarifier under certain conditions. Mike stated that during a recent visit by the Village's engineering firm, the two clarifiers were surveyed and found to be several inches different in height. This would result in the lower of the two clarifiers to be hydraulically overloaded. Mike also stated that he had proposed to the Village to demolish the old, north clarifier and rebuild a new clarifier to match the existing south clarifier as part of the planned second round of funding for upgrades. I recommend the village explore this option seriously.

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, new pumps were planned as part of the first round of funding and upgrades anticipated by the village.

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. Mike indicated that the village was exploring the option of installing a flow equalization basin to reduce the effects of the village's I/I at the WWTP. While the installation of a flow equalization basin would greatly benefit the WWTP, I still recommend that the village conduct smoke tests and manhole surveys throughout the collection system to identify and eliminate obvious sources of I/I. Smoke testing and manhole surveys can typically be completed at minimal cost to the village and can potentially identify significant sources of I/I. In your response to this letter, include a plan to investigate the Piketon sewage collection system for possible sources 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	OH0027031	December 12, 2007	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Piketon WWTP 626 Piketon Road Piketon, Ohio 45661	1:00	July 1, 2006
	Exit Time	Permit Expiration Date
	2:00	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>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment
<u>S</u> Records/Reports	<u>S</u> Laboratory	<u>N/A</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>M</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u> </u> Other
<u>M</u> Collection System		

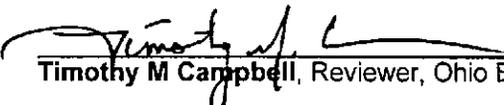
(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated)

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

See attached inspection letter


Patrick Hudnall, Inspector, Ohio EPA, Southeast District Office

1/11/08
Date


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

1/11/08
Date