



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
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TELE: (740) 385-8501 FAX: (740) 385-6490
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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

April 13, 2007

Re: Belmont County
Belmont County Sewer District
Pennwood Estates WWTP
Compliance Evaluation Inspection
Correspondence (PWW)

Mr. Mark Esposito, Director
Belmont County Sewer District
P.O. Box 457
St. Clairsville, Ohio 43950

Dear Mr. Esposito:

On January 18, 2007, Ken Mettler of Ohio EPA's Office of Special Investigations and I conducted a Compliance Evaluation Inspection (CEI) of the Pennwood Estates Wastewater Treatment Plant (WWTP).

The purpose of the inspection was to perform a pre-permit renewal inspection and to evaluate the WWTP's status of compliance with the NPDES permit, federal number OH0059307, state number OPH00012*FD. Wastewater samples were not taken. A copy of the inspection report form is attached. Based on the inspection, and a review of the Monthly Operating Report (MOR) data and the permit, the facility appeared to be in **non-compliance** on the day of the inspection, due to failure to meet the schedule to install the sampler and effluent violations.

As a result of the inspection and file review, I have the following comments:

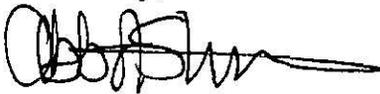
1. This facility was built in 1972 and upgraded to 0.11 MGD in 1977, and is therefore 30 years old. The concrete is showing significant wear. Some tanks have significant cracks. One of the sand filter bed concrete block walls is bowed, and another has a significant crack (see attached photographs). The county should begin the planning process to replace the treatment system or to install a pump station and connect to the St. Clairsville sewer system.

There is a large area surrounding this subdivision that is unsewered. Ohio EPA has received numerous complaints over the years regarding failing residential and commercial sewage systems in this area. It should be included in any planning the county or the City of St. Clairsville performs to address the upgrade of the Pennwood system.

2. The facility violated effluent limits for cBOD5 in January, April and December 2006; pH in March, October and November 2006, and ammonia in December 2006 and February 2007. Every effort must be made to comply with effluent limits.
3. The flow meter was broken but has been fixed and is now operating. The composite sampler, required by the NPDES permit to be installed by January 2003, has not yet been installed. The sampler must be installed as soon as possible.
4. The NPDES permit renewal has been drafted. When you receive your draft copy, please read it carefully and make any comments within the 30 day comment period.

Please respond, in writing, within 30 days of receipt of this report, to items 1 through 3 identified above. If you have any questions, please contact me at (740) 380-5284 at your convenience.

Sincerely,



Ms. Abbot Stevenson
Environmental Engineer
Permits and Enforcement Section
Division of Surface Water

AS/dh

Enclosure

c: Belmont County Commissioners

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPH00012*FD	OH0059307	January 18, 2007	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Pennwood Estates WWTP C.R. 4, Cindy Drive St. Clairsville, Ohio	1:00 p.m.	April 1, 2002
	Exit Time	Permit Expiration Date
	1:45 p.m.	March 31, 2007

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Bill Timko, WWTP Operator	(740) 695-6669
Name, Address and Title of Responsible Official	Phone Number
Mark Esposito, Director Belmont County Sanitary Sewer District P.O. Box 457 St. Clairsville, Ohio 43950	(740) 695-3144

C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>NA</u> Pretreatment
<u>S</u> Records/Reports	<u>S</u> Laboratory	<u>U</u> Compliance Schedules
<u>M</u> Operations & Maintenance	<u>U</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>S</u> Collection System		

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

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

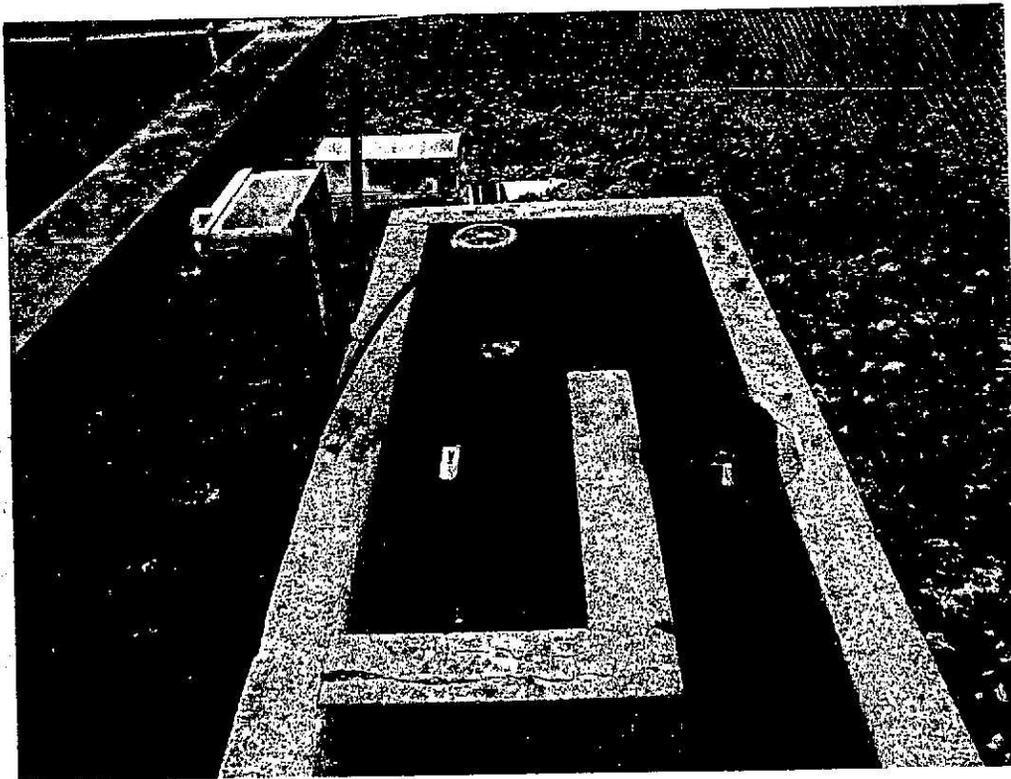
See attached letter.


Abbot Stevenson, Inspector, Ohio EPA, Southeast District Office

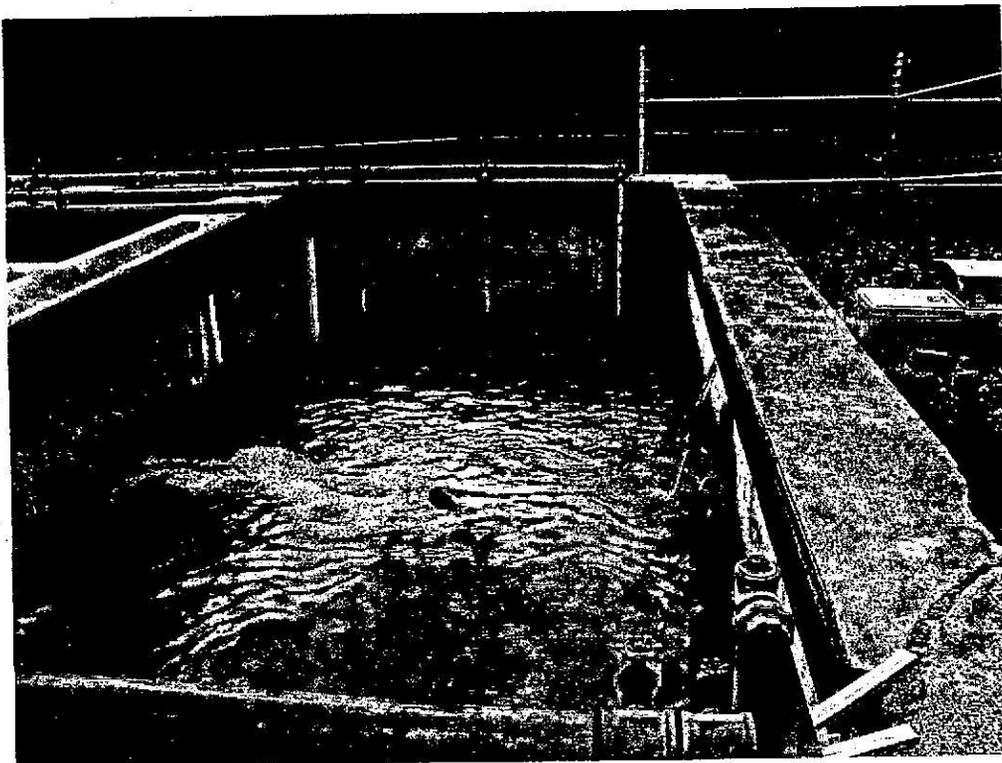
4/13/07
Date


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

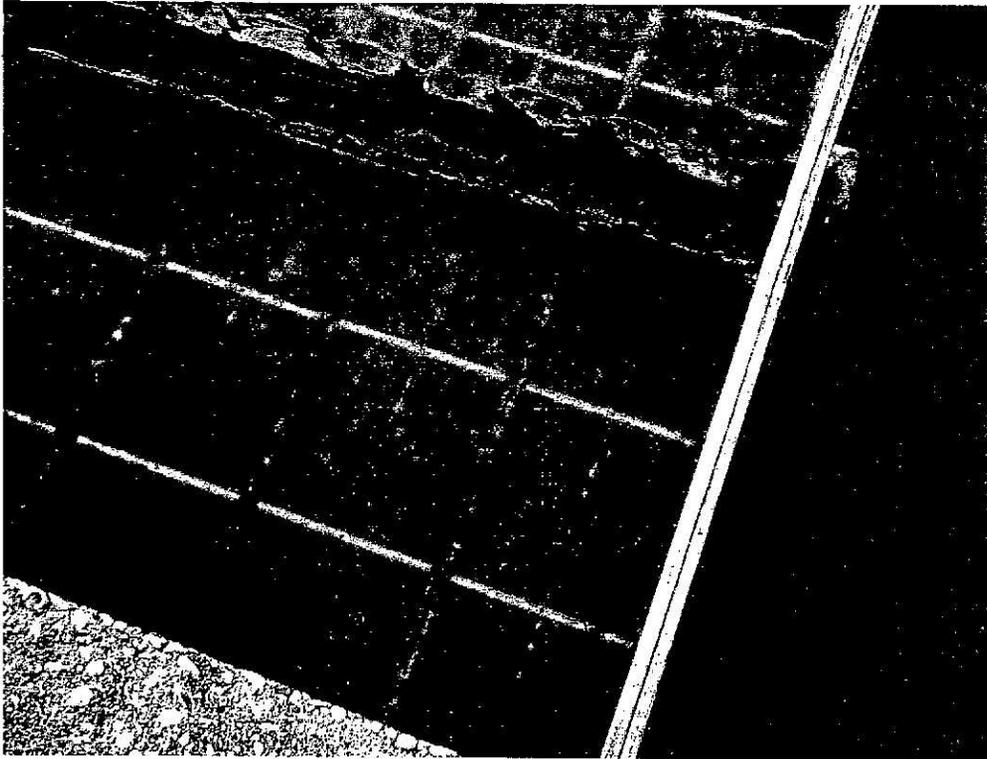
4/13/07
Date



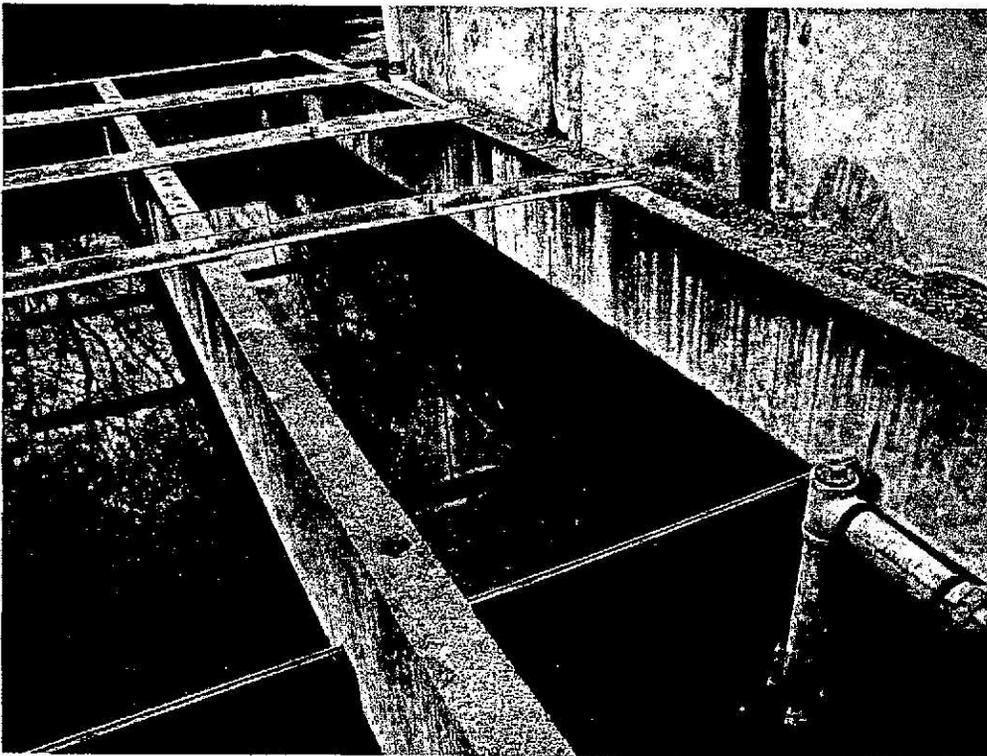
Notice cracks in wall at lower center of photo above.



Notice cracks in lower right corner of photo above. Also, rebar in far wall in upper center of picture is exposed.



Clarifier weirs have rusted away.



The east end of the upper sewage treatment plant – the wall is seeping and the concrete is deteriorating.