



State of Ohio Environmental Protection Agency

**Southeast District Office**

2195 Front Street  
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490  
www.epa.state.oh.us

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

April 10, 2008

**Re:** Scioto County  
Purtee Acres WWTP  
Tanglewood WWTP  
Airport WWTP  
Compliance Inspections  
Correspondence (PWW)

Scioto County Commissioners  
602 Seventh Street  
Portsmouth, Ohio 45662

Dear Commissioners:

On March 26, 2008, I conducted an inspection of Scioto County's Purtee Acres (OPG00051\*ED), Tanglewood (OPG00050\*ED), and Airport (OPG00059\*CD) wastewater treatment plants. These inspections were performed to evaluate compliance with the Ohio Revised Code Chapter 6111 and the NPDES permits listed above. Mr. Phillip Arthur accompanied me at that time. Following are comments and violations noted for each plant:

**Purtee Acres WWTP (OPG00051\*ED):**

The plant is in overall poor condition, and the County must begin budgeting for system replacement or upgrade. The following maintenance issues were noted during the inspection, and need to be addressed in a written response to this letter:

1. The comminutor is inoperable, and should be repaired or replaced;
2. The steel baffles in the aeration tank are rusted through, necessitating repair or replacement;
3. The sand filter's concrete wall is deteriorated and leaking, creating a bypass of both the sand filters and chlorination system. The sand filter will require replacement.

In addition, the following operational and maintenance issues were noted:

1. There was a noticeable amount of grease floating on the surface of the clarifier, and it was carrying through to the dosing tank/sand filter;
2. The clarifier outflow weir had a moderate amount of algae growing on it. This needs to be cleaned as necessary.

The following violations must be addressed:

1. A total of at least 20 violations were reported for the period beginning January 2007 and ending March 2008. Most of these were violations of ammonia and TSS limits. Please provide a detailed description of factors contributing to these violations and measures that Scioto County has taken or will take to prevent future violations.
2. As noted above, deteriorated walls on the sand filter are allowing a bypass of the sand filters and chlorination system. This is a violation of NPDES permit OPG00051\*ED, Part III, Item 11. Please provide a report detailing the cause of the violation, duration of the violation, quantity of sewage bypassed, and measures that have been taken to prevent this violation from occurring in the future. Failure to permanently correct this situation may result in escalated enforcement action. Note that the bypasses must be reported as required by the permit.

**Tanglewood Subdivision WWTP (OPG00050\*ED):**

As with the Purtee Acres plant, this plant is also in poor condition. The County must begin budgeting for system replacement or upgrade. The following maintenance issues were noted during the inspection, and need to be addressed in a written response:

1. The comminutor is inoperable, and should be repaired or replaced;
2. Though not as severe as the other WWTP, the steel in this plant is showing signs of deterioration;
3. The sand filter's concrete wall is deteriorated and leaking, creating a bypass of both the sand filters and chlorination system. The sand filter will require replacement.

The following violations must be addressed:

1. A total of 15 violations were reported for Tanglewood Subdivision WWTP for the period beginning January, 2007 and ending March, 2008. Most of the violations are for exceedances of chlorine and TSS limits. In addition, it appears that samples were not collected and/or analyzed for residual chlorine for the entire month of June, 2007. Please provide a detailed description of factors contributing to these violations and measures that Scioto County has taken or will take to prevent future violations.
2. As noted above, deteriorated walls on the sand filter are allowing a bypass of the sand filters and chlorination system. This is a violation of NPDES permit OPG00050\*ED, Part III, Item 11. Please provide a report detailing the cause of the violation, duration of the violation, quantity of sewage bypassed, and measures that have been taken to prevent this violation from occurring in the future. Failure to permanently correct this situation may result in escalated enforcement action. Note that bypasses must be reported as required by the permit.

**Airport WWTP (0PG00059\*CD):**

The small airport plant appeared to be in acceptable condition, with the exception of the sand filters. The concrete block tanks were cracked and leaking, providing a pathway for effluent to bypass the sand filters and chlorination. Such a bypass is a violation of NPDES permit 0PG00059\*CD, Part III and must be reported as such. Please provide details regarding the cause of the violation, duration of the violation, quantity of sewage bypassed, and measures that have been taken to prevent this violation from occurring in the future. As with the other plants, Scioto County must begin looking into reconstruction of the Airport WWTP sand filters.

Please provide documentation as requested for the above violation and comments. If you have any questions, please contact me at (740) 380-5447.

Sincerely,



Michael Yandrich  
District Representative  
Division of Surface Water

MY/dh

Enclosures

**NPDES  
Compliance Inspection Report**

**A. NATIONAL DATA SYSTEM CODING**

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPG00051*ED	OH0050865	March 26, 2008	C	S	1

**B. FACILITY DATA**

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Purtee Acres WWTP 1951 Kittle Road Portsmouth, Ohio 45662	11:00 a.m.	October 1, 2007
	Exit Time	Permit Expiration Date
	11:30 a.m.	September 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Phillip Arthur	(740) 574-2045
Name, Address and Title of Responsible Official	Phone Number
Scioto County Commissioners	(740) 355-8233

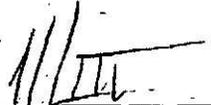
**C. AREAS EVALUATED DURING INSPECTION**

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>NA</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>NA</u> Compliance Schedules
<u>M</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>NA</u> Other
<u>N</u> Collection System		

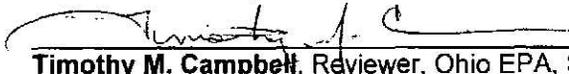
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

See attached inspection letter.

  
 Michael Yandrich, Inspector, Ohio EPA, Southeast District Office

4-10-08  
 Date

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

4/10/08  
 Date