



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 Korfeski, 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 (OPG00059*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 OPG00059*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 |
|-------------|-----------|----------------|-----------------|-----------|---------------|
| OPG00050*ED | OH0041441 | March 26, 2008 | C | S | 1 |

B. FACILITY DATA

| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
|--|------------|------------------------|
| Tanglewood Subdivision WWTP West of County Road 241, Southeast of Boyer Road Harrison Township, Ohio 45662 | 12:00 p.m. | May 1, 2001 |
| | Exit Time | Permit Expiration Date |
| | 12:30 p.m. | April 30, 2006 |

| 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