



State of Ohio Environmental Protection Agency

Southwest District Office

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Dayton, Ohio 45402

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

August 13, 2007

Darke County Commissioners
County Administration Building
520 South Broadway
Greenville, OH 45331

**RE: NOTICE OF VIOLATION
Stillwater Golf Estates Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit 1PX00014*BD/OH0119067
Darke County**

Ladies and Gentlemen:

On August 7, 2007, I conducted an inspection at the above referenced wastewater treatment works. This inspection was conducted to determine compliance with the NPDES permit for this facility and to prepare for the renewal of this permit. At the time of inspection, the wastewater plant appeared to be operating properly, however, long standing infiltration and inflow problems have not been addressed. A detailed inspection report is attached.

Provide a response to the items noted under "Items Requiring a Response" heading of the inspection report by September 3, 2007. Your response should include dates, either actual or proposed, for completion of actions.

If you have any questions, I can be reached at (937) 285-6109.

Sincerely,

Joe Miller
Division of Surface Water
Compliance and Enforcement

CC: Steve Crawford, Operator
Darke County Health Department

**Stillwater Golf Estates Wastewater Treatment Plant
Compliance Inspection
August 7, 2007**

Overview

The Stillwater Golf Estates WWTP is designed to treat 7,600 gallons of wastewater per day from the Stillwater Golf Course and Subdivision. The wastewater plant discharges to an unnamed tributary of the Stillwater River. The wastewater treatment facility is an extended aeration package plant with a 1,500 gallon trash trap, 10,000 gallon aeration chamber, two clarifiers with a total volume of 6,600 gallons, a 1,000 gallon sludge holding tank, 800 gallon dosing tank, dual slow surface sand filters (900 sq. ft.), 900 gallon chlorine contact/dechlorination chamber, and a 188 gallon post-aeration tank.

Infiltration and Inflow (I/I)

From the period reviewed (July 2006 to July 2007), the average daily flow was 8,750 gallons per day. The maximum flow reported during this period of time was 54,000 gallons per day. This is indicative of excessive infiltration and inflow (I/I) of storm water into the wastewater collection system. Excessive storm water to the WWTP has resulted to the use of illegal bypasses in the past, noted since at least 1994. A representative from ORWA reviewed the Stillwater Golf Estate collection system on April 11, 2005. In a letter from Ohio EPA on May 2, 2005, the County Commissioners were requested to provide the recommendation for I/I elimination by June 2, 2005. On May 20, 2005, Ohio EPA received a letter from Steve Crawford, Operator, which stated that the collection system data was being analyzed.

Effluent Violations

The following violations were noted during the period of July 2006 to July 2007:

Effluent Limit Violation

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
1PX00014*BD	June 2007	Dissolved Oxygen	1D Conc	6.0	5.8	6/18/2007

Effluent Frequency Violations

Reporting Period	Violation Date	Station	Parameter	Sample Frequency	Expected	Reported
September 2006	9/15/2006	001	Chlorine, Total Resid	1/2Weeks	1	0
May 2007	5/22/2007	001	Water Temperature	1/Week	1	0
May 2007	5/15/2007	001	Chlorine, Total Resid	1/2Weeks	1	0
May 2007	5/22/2007	001	Dissolved Oxygen	1/Week	1	0
June 2007	6/15/2007	001	Chlorine, Total Resid	1/2Weeks	1	0

Stillwater Golf Estates WWTP continued

Items Requiring a Response

1. Infiltration and Inflow – Provide a plan for elimination and/or reduction of infiltration and inflow of storm water into the collection system. Describe the measures proposed to remove clean water connections and handle excess flow at the WWTP. Provide the estimated date for submittal of a permit to install, if necessary.
2. Operations and Maintenance – The following items were noted that require attention:
 - a. Sand Filters – The sand filters appeared to be clogged and draining slowly. The sand filter media should be replaced.
 - b. Bypass piping – The corrugated piping that has been noted in previous inspections to be bypassing treatment units is still on-site. Ohio EPA has not received notification of bypasses at this location as required by your NPDES permit. This piping should be removed from the wastewater treatment plant area.
 - c. Grating - The treatment plant grating is badly rusted. The grating may be in need of repair/replacement.
3. Effluent violations – Provide an explanation for the above cited effluent limit and frequency violations. Describe what measures will be taken to prevent the occurrence of future violations.



NPDES COMPLIANCE INSPECTION REPORT

Ohio Environmental Protection Agency

Section A: National Data System Coding

Permit Number	NPDES Number	Inspection Date (yy/mm/dd)	Inspection Type	Inspector	Facility Type
1PX00014*BD	OH0119067	07/08/07	C	S	2

Section B: Facility Data

Name and Location of Facility Inspected: Stillwater Golf Estates WWTP Lot 24, Stillwater Drive off of SR 185 Versailles, OH 45380	Entry Time	Permit Effective Date
	11:00 AM	March 1, 2002
	Exit Time	Permit Expiration Date
	11:30 AM	February 28, 2007
Name(s) and Titles of On-Site Representative(s)		Phone Number(s)
None		
Name, Title and Address of Responsible Official:		Phone Number
Darke County Commissioners County Administration Building Greenville, OH 45331		937-547-7370

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, NA = Not Applicable)

S	Permit
S	Records/Reports
M	Operations & Maintenance
S	Facility Site Review
M	Collection System

S	Flow Measurement
NA	Laboratory
S	Effluent/Receiving Waters
S	Sludge Storage/Disposal

NA	Pretreatment
S	Compliance Schedules
S	Self-monitoring Program
NA	Other

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

**Operations and Maintenance rated as Marginal due to items noted in inspection report.
Collection system rated as Marginal due to excessive infiltration/inflow (I/I)**

Name and Signature of Inspector(s) Joe Miller	Agency / Office / Telephone Ohio EPA / Southwest District Office / (937) 285-6109	Date 8/13/07
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Name and Signature of Reviewer(s) Martyn G. Burt	Agency / Office / Telephone Ohio EPA / Southwest District Office / (937) 285-6034	Date 8/20/07
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