



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



1PX0001420110519

DARKE

STILLWATER GOLF ESTATES

MILLER, JOSEPH

2011/05/19



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

May 19, 2011

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*CD/OH0119067
Adams Township, Darke County**

Ladies and Gentlemen:

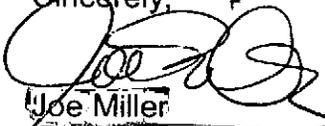
On May 12, 2011, I conducted an inspection at the above referenced wastewater treatment works. This inspection was conducted to determine compliance with the NPDES permit for this facility. A detailed inspection report is attached.

Excessive Inflow and Infiltration (I/I) continues to be problematic, often resulting in non-compliance with effluent limitations. Flows reported for the wastewater facility during storm events were four and five times the design flow of the treatment plant. For this reason, action to resolve this issue is required.

Provide a response to the items noted under "Items Requiring a Response" heading of the inspection report by **June 6, 2011**. 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

ec: Jeff Marshall, Darke County Commissioners Office
William Marker, Operator
Darke County Health Department

**Stillwater Golf Estates Wastewater Treatment Plant
Compliance Inspection
May 12, 2011**

Overview

The Stillwater Golf Estates WWTP is designed to treat 7,500 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.

The average flow from September 2010 to April 2011 was 8,000 gallons per day, in excess of the plant design flow. When flows approach or exceed the design flow of a wastewater facility, Ohio EPA requests a plan for expansion to treat these flows.

Items Requiring a Response

1. **Excessive flow** – Given the scale of the inflow and infiltration (I/I) in the collection system, escalated measures to reduce and eliminate I/I need to be taken. Installation of an equalization tank is appropriate given the flows seen in the last few months were over four times the design flow of the wastewater plant (see attached graph). Provide a proposed schedule for submittal of a permit to install (PTI) and construction of an equalization tank.
2. **Effluent violations** – Non-compliance notification was not provided for listed violations. Provide a description of the actions, taken or proposed, for elimination of effluent violations. Any future incidences are required to be reported as per Part III, Item 12 of the NPDES permit. This has been noted in previous inspections.

Permit #: 1PX00014*C
 NPDES #: OH0119067

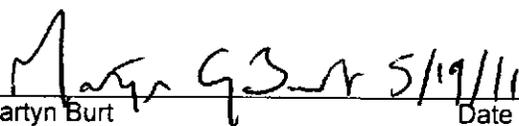


State of Ohio Environmental Protection Agency
 Southwest District Office

NPDES Compliance Inspection Report
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PX00014*CD	OH0119067	5/12/2011	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Stillwater Golf Estates WWTP Lot 24, Stillwater Drive Versailles, OH 45380	12:20 PM	January 1, 2008
	Exit Time	Permit Expiration Date
	12:40 PM	December 31, 2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
N/A		
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
William Marker	937-459-2317	
Name, Address and Title of Responsible Official	Phone Number	
Darke County Commissioners County Administration Building 520 South Broadway Greenville, OH 45331	937-547-7370	

Ohio EPA Inspector	Ohio EPA Reviewer
 Joe Miller Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
5/19/11 Date	5/19/11 Date

Average Daily Design Flow:	7,500 Gallons/Day
Plant Serves:	Golf Course Community
Average Daily Flow: (Period of Review):	8,000 GPD (September 2010 to April 2011)
Method of flow monitoring:	Dosing
Type of alarms for plant:	Visual

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **Unknown**
 Maintenance of pretreatment components is: **Unknown**

Comments/Status:

**Secondary Treatment
(Aeration)**

Color of sludge: **Unknown**
 Quality of Sludge: **Unknown**
 Foam: **Unknown**
 Odor: **None**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is... **Unknown**

Comments/Status:

Installation of second blower recommended.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Satisfactory**

Comments/Status:

Sludge accumulation on north sand filter, likely washed out from high flows.

Permit #: 1PX00014*C
NPDES #: OH0119067

Sludge Handling/Storage Disposal

Hauler name: Mike's Sanitation
Disposal Site: Mike's Sanitation Sludge Handling Facility
Sludge wasted from: Sludge Holding

Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

Comments/Status:

0.28 dry tons of sludge hauled in 2010

Plant Discharge

Discharge point is: **unnamed tributary**
Name of discharge point: **unnamed tributary of the Stillwater River**
Discharge is visible: **Yes** Quality of Effluent: **Clear**

Comments/Status:

Stillwater Golf Estates WWTP Effluent Limitation Violations September 2010 to April 2011

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
1PX00014*CD	March 2011	Total Suspended Solids	30D Qty	0.35	.77167	3/1/2011
1PX00014*CD	March 2011	Total Suspended Solids	7D Qty	0.52	.77167	3/8/2011
1PX00014*CD	April 2011	Total Suspended Solids	30D Qty	0.35	1.13323	4/1/2011
1PX00014*CD	April 2011	Total Suspended Solids	7D Qty	0.52	1.13323	4/1/2011
1PX00014*CD	April 2011	CBOD 5 day	30D Qty	0.29	.6365	4/1/2011
1PX00014*CD	April 2011	CBOD 5 day	7D Qty	0.43	.6365	4/1/2011

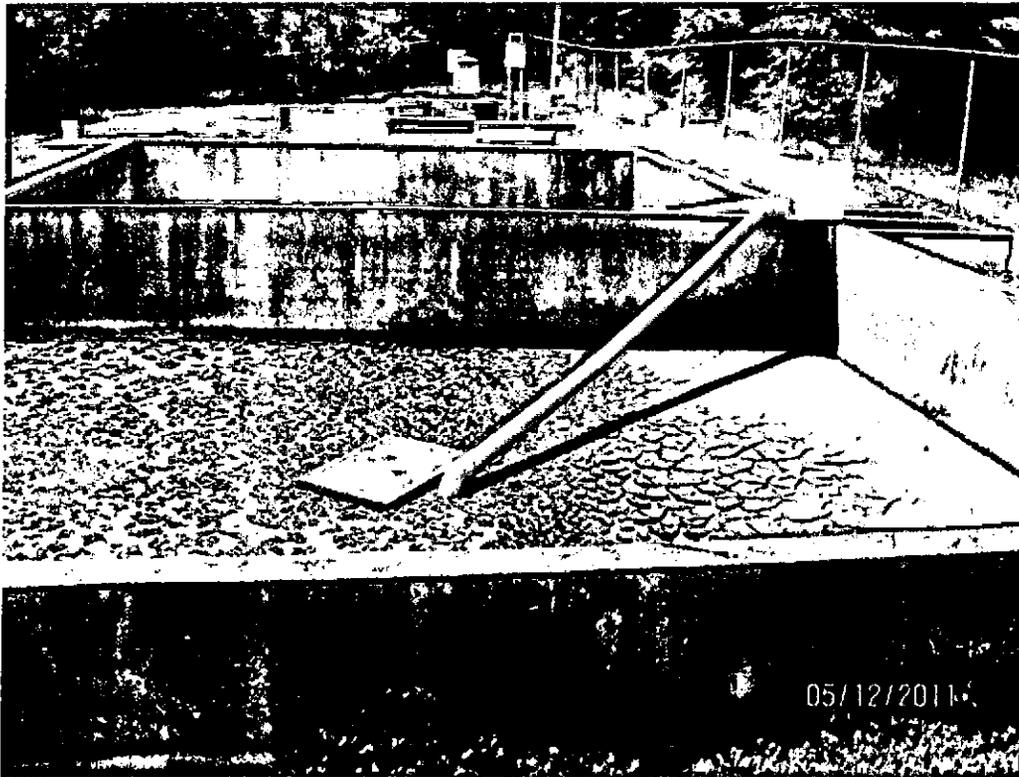


Figure 1, Stillwater Golf Estates WWTP, JGM 5/12/11

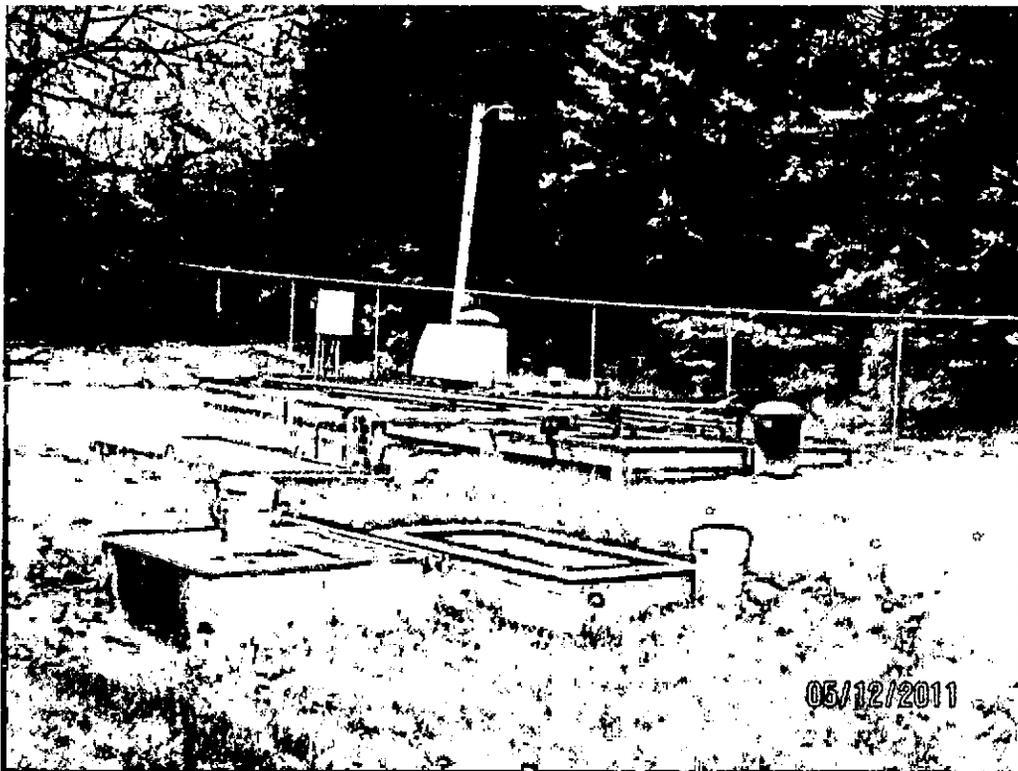


Figure 2, Stillwater Golf Estates WWTP, JGM 5/12/11

Stillwater Golf Estates WWTP Effluent Flow (GPD) from September 2010 to April 2011

