



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

October 22, 2012

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

**RE: Stillwater Golf Estates, Darke County, OH0119067, 1PX00014*CD,
Pre-Permit/Compliance Evaluation Inspection (CEI), NOTICE OF VIOLATION**

Ladies and Gentlemen:

On October 10, 2012, I conducted a Pre-Permit/Compliance Evaluation Inspection (CEI) at the Stillwater Golf Estates wastewater treatment plant (WWTP). This inspection was conducted to ensure the NPDES permit renewal application was updated, and to evaluate compliance at the WWTP. Bill Marker, Operator of Record, represented the County.

During the last inspection (report dated November 21, 2011), several items were noted as requiring a response. The first item noted was a problem with the tablet chlorine disinfection system. There was one additional total residual chlorine violation since that time. Ultraviolet (UV) disinfection was recommended at that time. The chlorine disinfection system is still being used at Stillwater Golf Estates. Currently, UV is being installed at the County's Rolin Acres WWTP. If the system works, the County will investigate installing it at Stillwater Golf Estates. The timeframe for this would be in 2013 or 2014. The County should keep Ohio EPA apprised of the status of this decision.

Inflow and infiltration (I/I) was also noted as a problem, and is still an issue. The WWTP was designed for an average flow of 7,500 gallons per day (gpd). A graph has been included showing the flow rates for this facility. In addition, the monthly flow rates were as follows:

- | | | |
|-----------------|------------|---------------------------------|
| • November 2011 | 8,953 gpd | 21 of 30 days below design flow |
| • December 2011 | 19,091 gpd | 0 of 31 days below design flow |
| • January 2012 | 12,714 gpd | 14 of 31 days below design flow |
| • February 2012 | 6,026 gpd | 22 of 29 days below design flow |
| • March 2012 | 8,145 gpd | 19 of 31 days below design flow |
| • April 2012 | 3,133 gpd | 30 of 30 days below design flow |
| • May 2012 | 7,535 gpd | 24 of 31 days below design flow |

- June 2012 2,101 gpd 30 of 30 days below design flow
- July 2012 1,875 gpd 31 of 31 days below design flow
- August 2012 2,081 gpd 31 of 31 days below design flow

The high flow rates may be contributing to the loading violations occurring in December 2011 and May 2012. As part of the last NPDES permit, a compliance schedule was included to address the I/I. A report providing an update on the status of the I/I elimination was due on January 1, 2010. The I/I removal was supposed to be completed by April 1, 2011. It does not appear that these items were submitted. An email was sent to Jeff Marshall on October 12, 2012 to follow up on these items. The required submittals must be provided to Ohio EPA.

During the inspection, the I/I issues were discussed with Bill Marker. The sewer lines were inspected with cameras. There were hairline cracks in the lines, but no holes. One of the homeowners in the subdivision was working with the other owners to disconnect the downspouts from the sanitary lines. Some of the homeowners may have done this, but there was no documentation provided of this. Mr. Marker noted that there were still a couple of downspouts tied into the sewer. This occurred sometime in May 2012.

Another action requiring response was the pH sampling. The County is now having the pH sample analyzed and read on site. This item has been addressed.

The sand filters also required action. The sand has not been replaced, but this is scheduled to be done next year. The sand filters are being raked. The filters use is alternated. There were some weeds and leaves in the filter not being used, but these would be removed prior to putting the filter back into use.

There were effluent violations since the last inspection. The reason(s) for these violations and steps taken to prevent them from recurring must be provided. Some of these violations may also be attributable to excessive flows.

The skimmer on the south side of the treatment plant was leveled. In addition, there is now a new weir on the north side of the plant, and the County is in the process of ordering a new weir for the south side. The blowers at the plant are on timers.

REQUIRED ACTIONS

The County must provide the documentation required in the NPDES permit compliance schedule for inflow and infiltration. These reports were due on January 1, 2010 and April 1, 2011. This documentation must be provided to this office by November 30, 2012.

The County must provide the reason(s) for the permit violations detailed in this report. This must be submitted to this office by November 16, 2012.

Darke County Commissioners

October 22, 2012

Page 2

The assistance provided by your staff was appreciated. Should you have any additional questions, feel free to contact me at (937) 285-6108.

Sincerely,



Marianne Piekutowski
Environmental Specialist 2
Division of Surface Water

Enclosure

cc: Bill Marker, Darke County
Jeff Marshall, Darke County
Darke County Health Department

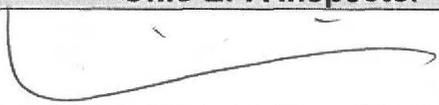
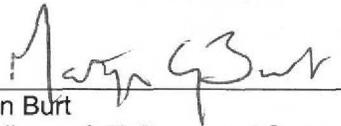


State of Ohio Environmental Protection Agency
Southwest District Office

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	10/10/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Stillwater Golf Estates WWTP Lot 24, Stillwater Drive Versailles, Ohio 45380	9:50 am	January 1, 2008
	Exit Time	Permit Expiration Date
	10:35 am	December 31, 2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Bill Marker	(937) 459-2317	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Bill Marker	(937) 459-2317	
Name, Address and Title of Responsible Official	Phone Number	
Darke County Commissioners County Administration Building 520 South Broadway Greenville, Ohio 45331	(937) 547-7370	

Ohio EPA Inspector	Ohio EPA Reviewer
 Marianne Piekutowski Division of Surface Water Southwest District Office Date 10/22/12	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date 10/22/12

Permit # : 1PX00014*CD

NPDES #: Error! Reference source not found.

Average Daily Design Flow:	7,500 Gallons/Day
Plant Serves:	Golf Course Community
Average Daily Flow: (Period of Review):	7,125 Gallons/Day (November 2011 to August 2012)
Method of flow monitoring:	Dosing
Type of alarms for plant:	Visual

Pretreatment

Type of Pretreatment: **Trash Trap**
Does the Trash Trap need pumped: **No**
Maintenance of pretreatment components is: **Satisfactory**

Comments/Status:

Trash trap pump out is being scheduled. Trying to have done mid-November 2012.

Secondary Treatment (Aeration)

Color of sludge: **Unknown**
Quality of Sludge: **Unknown**
Foam: **Unknown**
Odor: **No objectionable odor present**

	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:

The skimmer noted in last year's inspection was fixed. The north side of the plant had a new weir. The south side weir is in the process of being ordered.

Permit # : 1PX00014*CD

NPDES #: Error! Reference source not found.

**Secondary Treatment
(Settling)**

Clarity: **Unknown**
Condition of Weir: **Unknown**
Weir is level: **Unknown**
Effluent in weir: **Unknown**
Clarifier walls need scraped: **Yes**

Overall maintenance of settling components is: **Unknown.**

Comments/Status:

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: **Good**

Comments/Status:

The sand filter being used was raked. The sand was not replaced but is scheduled to be done next year. The chlorination/dechlorination system is still being used. The County has put in UV disinfection at Rolin Acres. If it works there, then will be done at Stillwater Golf Estates.

Sludge Handling/Storage Disposal

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

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

Overall maintenance of components is: **Satisfactory**

Comments/Status:

0.163 dry tons were hauled.

Permit # : 1PX00014*CD

NPDES #: Error! Reference source not found.

Plant Discharge

Discharge point is a: **Unnamed tributary.**

Name of discharge point: **Unnamed tributary.**

Discharge is visible: **Yes**

Quality of Effluent: **Clear**

Comments/Status:

There was a trickle of flow from the outfall. The stream was clear, and free of solids and sewage fungus.

STILLWATER GOLF ESTATES NPDES PERMIT EFFLUENT LIMIT VIOLATIONS

(Period of Review: October 2011 to August 2012)

7D = Weekly 30D = Monthly 1D = Daily Conc. = Concentration (mg/l) Qty.= Quantity (Kg/Day)

Reporting Period	Parameter	Limit Type	Limit	Reported Value
October 2011	Chlorine, Total Residual	1D Conc	0.019	5.46
December 2011	Total Suspended Solids	30D Qty	0.35	.92165
December 2011	Total Suspended Solids	7D Qty	0.52	.92165
December 2011	CBOD 5 day	30D Qty	0.29	.36866
May 2012	Total Suspended Solids	30D Conc	12	13.
May 2012	Total Suspended Solids	30D Qty	0.35	.35059
May 2012	Fecal Coliform	30D Conc	1000	3600.
May 2012	Fecal Coliform	7D Conc	2000	3600.
June 2012	Chlorine, Total Residual	1D Conc	0.019	.403

Stillwater Golf Estates Flow Data
11/1/2011 - 10/1/2012

