



Environmental  
Protection Agency

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

August 3, 2012

Mayor and Council  
City of Middletown  
One Donham Plaza  
Middletown, Ohio 45042

**RE: Butler County, Weatherwax Golf Course, Compliance Evaluation Inspection**

Ladies and Gentlemen:

On July 31, 2012, I conducted a Compliance Evaluation Inspection at this facility (NPDES Permit No. OH0132268; OEPA Permit No. 1PZ00105\*CD). The inspection was also conducted as part of renewing the NPDES permit. Representing this facility was J.D. Houchin and Pat Lovely. A copy of my inspection report is enclosed.

The inspection report contains one unsatisfactory area. The Effluent / Receiving Waters section was rated unsatisfactory as a result of the numerous NPDES permit violations.

The areas noted in the report summary are currently being addressed. Therefore, a response is not required at this time.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

Ned Sarle  
Environmental Specialist  
Division of Surface Water  
Permits Section

NS/tf

Enclosure

cc: Pat Lovely, City of Middletown



State of Ohio Environmental Protection Agency  
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PZ00105*CD	OH0132268	7/31/2012	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Weatherwax Golf Course 5401 Mosiman Road Middletown, Ohio 45042	11:00 A.M.	1/1/2008
	Exit Time	Permit Expiration Date
	12:00 P.M.	12/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
J.D. Houchin, WWTP Manager Pat Lovely, Process Control Supervisor	(513) 425-7919 (513) 727-3646	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council City of Middletown One Donham Plaza Middletown, Ohio 45042	(513) 425-7831	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	U	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Summary of Findings / Comments.	
Inspector	Reviewer
 Ned Sarle Permit Section Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
8/3/12 Date	8/3/12 Date

Permit #: 1PZ00105\*CD

NPDES #: OH0132268

Average Daily Design Flow:	2500 Gallons/Day
Plant Serves:	Golf Course / Club House
Average Daily Flow: (Period of Review):	1046 Gallons/Day (November 2010 through June 2012)
Method of flow monitoring:	V-notch weir
Type of alarms for plant:	Flow EQ high water audio / visual

**Pretreatment**

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

**Comments/Status:**

The trash trap is checked twice a year and is pumped as needed. The trash trap has been pumped once in past three years.

**Secondary Treatment  
(Aeration)**

Color of sludge: **Light Brown**  
Quality of Sludge: **Thin**  
Foam: **None present**  
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...**Good**

**Comments/Status:**

Blowers are on for 120 minutes and off for 30 minutes.

**Secondary Treatment  
(Settling)**

Clarity: **Clear**  
Condition of Weir: **Clean**  
Weir is level: **Yes**  
Effluent in weir: **Clear**  
Clarifier walls need scraped: **No**

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Overall maintenance of settling components is: **Good**

**Comments/Status:**

The clarifier walls are scraped as needed.

**Tertiary Treatment**

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

Overall maintenance of components is: **Good**

**Comments/Status:**

Tertiary treatment provided by an upflow fixed media filter. The filters are backflushed once every one to two weeks.

**Sludge Handling/Storage Disposal**

Hauler name: **Four Aces Sanitation**  
 Disposal Site: **City of Middletown**  
 Sludge wasted from: **Trash trap / sludge holding / upflow filter**  
 How often is sludge wasted: **As needed**  
 Sludge drying beds: **No**                      Sludge holding tank: **Yes**

Overall maintenance of components is: **Good**

**Comments/Status:**

None.

**Plant Discharge**

Discharge point is a: **Ditch**  
 Name of discharge point: **Unnamed tributary of Elk Creek**  
 Discharge is visible: **Yes**                      Quality of Effluent: **Clear**

**Comments/Status:**

None.

Permit #: 1PZ00105\*CD

NPDES #: OH0132268

### **Summary of Findings / Comments**

A review of the Discharge Monitoring Reports (DMRs) for November 2010 through June 2012 indicated several NPDES permit violations. These violations are listed on Attachment I. The Weatherwax Golf Course has adequately addressed these violations. Future violations must continue to be reported as required by the NPDES permit as detailed in Part III.12 titled "Noncompliance Notification."

The WWTP consists of a trash trap, a flow equalization basin, an extended aeration tank, a secondary clarifier, an upflow fixed media filter, and an ultraviolet disinfection system. An aerated sludge holding tank is also provided. In 2011, sludge was not hauled from the WWTP. An operator log is maintained for this treatment system.

The wastewater effluent is tested on site for dissolved oxygen and pH. The equipment used for this monitoring is calibrated and maintained at the Middletown WWTP. The wastewater grab samples for TSS, ammonia, fecal coliform and CBOD5 are placed on ice and transported back to the Middletown WWTP where they are tested.

The golf course has two restroom facilities that are each served by a septic tank and mound system. The maintenance building is also served by a septic tank and leach field.

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Attachment I

Weatherwax Golf Course

Effluent Limit Violations for November 2010 through June 2012

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
December 2010	TSS	Monthly	mg/l	12	21
December 2010	TSS	Weekly	mg/l	18	21
June 2011	Fecal Coliform	Monthly	#/100ml	23	208
June 2011	Fecal Coliform	Weekly	#/100ml	46	208
December 2011	TSS	Monthly	mg/l	12	15
December 2011	TSS	Weekly	mg/l	18	21