

Ohio

**Environmental
Protection Agency**

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



1PZ0010520101116

BUTLER

WEATHERWAX GOLF COURSE

SARLE, EDWARD

2010/11/16

Sewage

**Environmental
Protection Agency**

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

November 16, 2010

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 November 10, 2010, I conducted a Compliance Evaluation Inspection at this facility (NPDES Permit No. OH0132268; OEPA Permit No. 1PZ00105*BD). Representing this facility was 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.

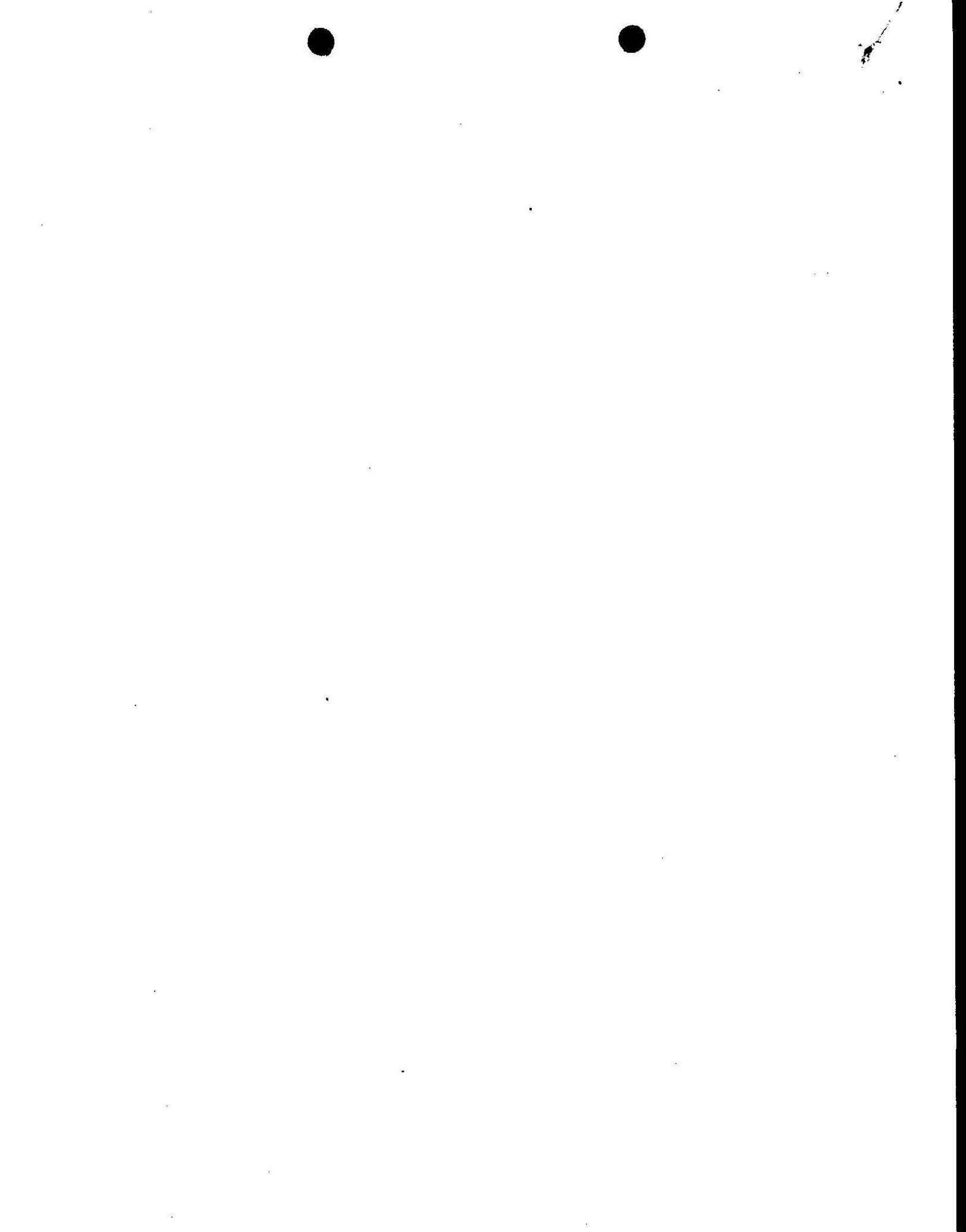
Sincerely,



Ned Sarle
Division of Surface Water
Permits Section

Enclosure

cc: Pat Lovely, City of Middletown





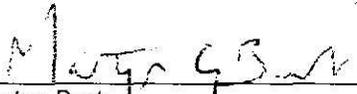
State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PZ00105*CD	OH0132268	11/10/2010	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	10:55 A.M.	1/1/2008
	Exit Time	Permit Expiration Date
	12:00 A.M.	12/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Pat Lovely, Process Control Supervisor	(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
11/16/10 Date	11/16/10 Date

Permit #: 1PZ00105*CD
 NPDES #: OH0132268

Pretreatment

Average Daily Design Flow:	2500 Gallons/Day
Plant Serves:	Golf Course / Club House
Average Daily Flow: (Period of Review):	763 Gallons/Day (June 2007 through October 2010)
Method of flow monitoring:	V-notch weir
Type of alarms for plant:	Audio / Visual

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 45 minutes and off for 15 minutes.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
 Condition of Weir: **Clean**
 Weir is level: **Yes**
 Effluent in weir: **Clear**

Permit #: 1PZ00105*CD
NPDES #: OH0132268

Clarifier walls need scraped: **No**

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

Comments/Status:

None.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input 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 type="checkbox"/>
UV present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination present	<input type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Good**

Comments/Status:

Tertiary treatment provided by an upflow fixed media filter.

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 June 2007 through October 2010 indicated numerous 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 consist 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 2009, 0.0417 dry tons of sludge were hauled from the WWTP.

An operator log is maintained for this treatment system. However, the operator log must be maintained at the WWTP.

The certified wastewater operator is required to submit an Operator of Record form. This form should be sent to the SWDO. The form may be downloading at the following website:

[http://www.epa.state.oh.us/portals/28/documents/opcert/Operator of Record Notification Form.pdf](http://www.epa.state.oh.us/portals/28/documents/opcert/Operator%20of%20Record%20Notification%20Form.pdf)

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

Attachment I

Effluent Limit Violations for June 2007 through October 2010

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
June 2007	CBOD5	Monthly	mg/l	10	11
June 2007	Ammonia	Monthly	mg/l	1.0	12
June 2007	Ammonia	Monthly	kg/day	0.0095	0.028
June 2007	Ammonia	Weekly	mg/l	1.5	29
June 2007	Ammonia	Weekly	kg/day	0.014	0.060
June 2007	DO	Daily	mg/l	6.0	3.9
June 2007	DO	Daily	mg/l	6.0	3.3
June 2007	Ammonia	Weekly	mg/l	1.5	4.1
June 2007	DO	Daily	mg/l	6.0	5.1
August 2007	Fecal Coliform	Monthly	#/100ml	23	390
August 2007	TSS	Monthly	mg/l	12	14
August 2007	Fecal Coliform	Weekly	#/100ml	46	2900
December 2007	TSS	Monthly	mg/l	12	18
March 2008	CBOD5	Monthly	mg/l	10	14
June 2008	Ammonia	Monthly	mg/l	1.0	1.7
June 2008	Ammonia	Weekly	mg/l	1.5	1.7
August 2008	Fecal Coliform	Monthly	#/100ml	23	33
August 2008	Fecal Coliform	Weekly	#/100ml	46	165
June 2009	CBOD5	Monthly	mg/l	10	15
June 2009	Fecal Coliform	Monthly	#/100ml	23	570
June 2009	Ammonia	Monthly	mg/l	1.0	23
June 2009	Ammonia	Monthly	kg/day	0.0095	0.082
June 2009	Fecal Coliform	Weekly	#/100ml	46	570
June 2009	Ammonia	Weekly	mg/l	1.5	23
June 2009	Ammonia	Weekly	kg/day	0.014	0.082
June 2010	Fecal Coliform	Monthly	#/100ml	23	100
June 2010	Fecal Coliform	Weekly	#/100ml	46	100

