



**Environmental  
Protection Agency**

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



\*1PT0004720101213\*

HAMILTON SAINT JOHN THE BAPTIST CHURCH AND SCH SARLE, EDWARD 2010/12/13

*sewer*



**Environmental  
Protection Agency**

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

December 13, 2010

Ms. Donna Sunderhaus  
St. John the Baptist Church and School  
5361 Dry Ridge Road  
Cincinnati, Ohio 45252

Re: Hamilton County, St. John the Baptist Church and School  
Compliance Evaluation Inspection

Dear Ms. Sunderhaus:

On December 7, 2010, I conducted a Compliance Evaluation Inspection at the St. John the Baptist Church and School (NPDES Permit No. OH0046973; OEPA Permit No. 1PT00047\*AD). Representing this facility was Eric Gibson and Brad Hasselbeck. A copy of my inspection report is enclosed.

The inspection report contains two unsatisfactory areas. The Effluent / Receiving Waters section was rated unsatisfactory as a result of the NPDES Permit violations. The Compliance Schedule section was rated unsatisfactory as a result of the failure to connect this facility to the MSD sanitary sewer system.

To address these violations, a Permit to Install for construction a sewer extension to the MSD sanitary sewer system was approved on March 1, 2010. Easements for this sewer construction were only recently obtained. Construction has not started at this time due to funding issues. The church indicated that this funding should be available next spring with construction starting soon thereafter. The Ohio EPA encourages the church to start this construction as soon as possible. Finally, please be advised that the Permit to Install is only effective for 18 months after the approval date.

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

Sincerely,

Ned Sarle  
Division of Surface Water  
Permits Section

Enclosure

cc: Eric Gibson, Winelco, Inc.



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
1PT00047*AD	OH0046973	12/7/2010	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
St. John the Baptist Church and School 5361 Dry Ridge Road Cincinnati, Ohio 45252	11:30 A.M.	2/1/2004
	Exit Time	Permit Expiration Date
	12:00 A.M.	1/31/2009
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Eric Gibson, Winelco, Inc. Brad Hasselbeck, Maintenance	(513) 755-8050 (513) 385-8010	
Name, Address and Title of Responsible Official	Phone Number	
Ms. Donna Sunderhaus, Business Manager 5361 Dry Ridge Road Cincinnati, Ohio 45252	(513) 385-8010	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	S	Pretreatment
S	Records/Reports	S	Laboratory	U	Compliance Schedule
S	Operations & Maintenance	U	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	S	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
12/13/10 Date	12/13/10 Date

OEPA Permit #: 1PT00047\*AD

NPDES Permit #: OH0046973

Average Daily Design Flow:	14,000 Gallons/Day
Plant Serves:	Church and School
Average Daily Flow: (Period of Review):	1100 Gallons/Day (October 2008 through October 2010)
Method of flow monitoring:	Effluent pump elapse time meter
Type of alarms for plant:	

**Pretreatment**

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

**Comments/Status:**

Trash trap pumped out once a year by Winelco.

**Secondary Treatment  
(Aeration)**

Color of sludge: **Medium Brown**  
Quality of Sludge: **Medium**  
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 type="checkbox"/>	<input checked="" 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 30 minutes and off for 30 minutes.

**Secondary Treatment  
(Settling)**

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

OEPA Permit #: 1PT00047\*AD  
NPDES Permit #: OH0046973

Clarifier walls need scraped: **No**

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

**Comments/Status:**

None.

**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 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 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: **Poor**

**Comments/Status:**

Chlorine tablets are added to secondary clarifier effluent trough. The lack of surface sand filters and an adequate disinfection system result in most of the effluent violations.

**Sludge Handling/Storage Disposal**

Hauler name: **Winelco, Inc.**  
Disposal Site: **MSD Mill Creek WWTP**  
Sludge wasted from: **Aeration tank.**  
How often is sludge wasted: **Twice a year.**  
Sludge drying beds: **No**                      Sludge holding tank: **No**

Overall maintenance of components is: **Poor**

**Comments/Status:**

None.

**Plant Discharge**

Discharge point is a: **Ditch**  
Name of discharge point: **unnamed tributary of Blue Rock Creek**  
Discharge is visible: **Yes**                      Quality of Effluent: **Clear**

**Comments/Status:**

None.

OEPA Permit #: 1PT00047\*AD

NPDES Permit #: OH0046973

## **Summary of Findings / Comments**

### Areas Requiring a Response

A review of the Discharge Monitoring Reports (DMRs) for October 2008 through October 2010 indicated numerous NPDES Permit violations. These violations are listed on Attachment I. The St. John the Baptist Church and School (St. John) 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."

### Areas Not Requiring a Response

The WWTP consist of a trash trap, an aeration tank, a secondary clarifier, and a chlorine contact tank. The chlorine tablets are placed into the secondary clarifier effluent trough. The dechlorination tablets are placed in the chlorine contact tank. In 2009, 0.21 dry tons of sludge were hauled from the WWTP.

The WWTP is designed for an average daily flow rate of the 14,000 gpd. A review of the DMRs for the noted period indicated the average daily flow rate was 1100 gpd and the peak daily flow rate was 9900 gpd.

Attachment I

Effluent Limit Violations for October 2008 through October 2010

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
October 2008	Ammonia	Monthly	mg/l	1.0	2.8
October 2008	Ammonia	Weekly	mg/l	1.5	2.8
November 2008	Ammonia	Monthly	mg/l	3.0	26
November 2008	TSS	Monthly	mg/l	12	24
November 2008	Ammonia	Weekly	mg/l	4.5	26
November 2008	TSS	Weekly	mg/l	18	24
December 2008	Ammonia	Monthly	mg/l	3.0	19
December 2008	TSS	Monthly	mg/l	12	60
December 2008	Ammonia	Weekly	mg/l	4.5	19
December 2008	TSS	Weekly	mg/l	18	60
January 2009	Ammonia	Monthly	mg/l	3.0	5.1
January 2009	TSS	Monthly	mg/l	12	29
January 2009	Ammonia	Weekly	mg/l	4.5	5.1
January 2009	TSS	Weekly	mg/l	18	29
February 2009	CBOD5	Monthly	mg/l	10	11
February 2009	Ammonia	Monthly	mg/l	3.0	7.7
February 2009	Ammonia	Weekly	mg/l	4.5	7.7
February 2009	TSS	Monthly	mg/l	12	24
February 2009	TSS	Weekly	mg/l	18	24
March 2009	TSS	Monthly	mg/l	12	25
March 2009	TSS	Weekly	mg/l	18	25
April 2009	TSS	Monthly	mg/l	12	29
April 2009	TSS	Weekly	mg/l	18	29
May 2009	CBOD5	Monthly	mg/l	10	14
May 2009	TSS	Monthly	mg/l	12	64
May 2009	TSS	Weekly	mg/l	18	64
June 2009	TSS	Monthly	mg/l	12	25
June 2009	TSS	Weekly	mg/l	18	25
July 2009	TSS	Monthly	mg/l	12	14
July 2009	DO	Daily	mg/l	6.0	5.3
July 2009	DO	Daily	mg/l	6.0	5.6
August 2009	TSS	Monthly	mg/l	12	26
August 2009	TSS	Weekly	mg/l	18	26
August 2009	DO	Daily	mg/l	6.0	2.0
September 2009	TSS	Monthly	mg/l	12	16
September 2009	DO	Daily	mg/l	6.0	5.0
October 2009	TSS	Monthly	mg/l	12	24
October 2009	TSS	Weekly	mg/l	18	24
November 2009	TSS	Monthly	mg/l	12	38

Attachment I  
 Effluent Limit Violations for October 2008 through October 2010

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
November 2009	TSS	Weekly	mg/l	18	38
December 2009	Ammonia	Monthly	mg/l	3.0	6.9
December 2009	Ammonia	Weekly	mg/l	4.5	6.9
December 2009	TSS	Monthly	mg/l	12	84
December 2009	TSS	Weekly	mg/l	18	84
January 2010	CBOD5	Monthly	mg/l	10	15
January 2010	TSS	Monthly	mg/l	12	34
January 2010	TSS	Weekly	mg/l	18	34
February 2010	Ammonia	Monthly	mg/l	3.0	33
February 2010	Ammonia	Weekly	mg/l	4.5	33
February 2010	TSS	Monthly	mg/l	12	17
April 2010	TSS	Monthly	mg/l	12	33
April 2010	TSS	Weekly	mg/l	18	33
April 2010	DO	Daily	mg/l	6.0	4.6
April 2010	DO	Daily	mg/l	6.0	5.6
May 2010	TSS	Monthly	mg/l	12	33
May 2010	TSS	Weekly	mg/l	18	33
June 2010	TSS	Monthly	mg/l	12	45
June 2010	TSS	Weekly	mg/l	18	45
July 2010	TSS	Monthly	mg/l	12	31
July 2010	TSS	Weekly	mg/l	18	31
August 2010	TSS	Monthly	mg/l	12	21
August 2010	TSS	Weekly	mg/l	18	21
August 2010	Chlorine	Daily	mg/l	0.019	1.1
August 2010	Chlorine	Daily	mg/l	0.019	0.19
August 2010	DO	Daily	mg/l	6.0	2.3
September 2010	CBOD5	Monthly	mg/l	10	14
September 2010	Ammonia	Monthly	mg/l	1.0	5.1
September 2010	TSS	Monthly	mg/l	12	83
September 2010	Chlorine	Daily	mg/l	0.019	0.07
September 2010	DO	Daily	mg/l	6.0	4.8
September 2010	Ammonia	Weekly	mg/l	1.5	5.1
September 2010	TSS	Weekly	mg/l	18	83
September 2010	DO	Daily	mg/l	6.0	4.9
September 2010	DO	Daily	mg/l	6.0	3.8
September 2010	Fecal coliform	Monthly	#/100ml	1000	"AK"
September 2010	Fecal coliform	Weekly	#/100ml	2000	"AK"
October 2010	Ammonia	Monthly	mg/l	1.0	2.4
October 2010	Ammonia	Weekly	mg/l	1.5	2.4

Attachment I

Effluent Limit Violations for October 2008 through October 2010.

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
October 2010	TSS	Monthly	mg/l	12	17
October 2010	Chlorine	Daily	mg/l	0.019	0.05
October 2010	Chlorine	Daily	mg/l	0.019	0.27
October 2010	Chlorine	Daily	mg/l	0.019	0.1
October 2010	DO	Daily	mg/l	6.0	5.0
October 2010	Chlorine	Daily	mg/l	0.019	0.06
October 2010	DO	Daily	mg/l	6.0	5.8