



**Environmental
Protection Agency**

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

RE: Wyandot County
Sycamore WWTP
NPDES Permit

December 23, 2011

Mayor & Council
Village of Sycamore
P. O. Box 279
Sycamore, Ohio 44882

Dear Mayor & Council:

This will acknowledge our December 7, 2011, compliance inspection at your wastewater treatment plant (WWTP), which is located at 312 Kilborn Street. This inspection was conducted to evaluate compliance with your facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PB00000.

At the time of the inspection, all major treatment components were in service. The mixed liquor in the aeration basin had a healthy brown color. The final discharge from the polishing pond was visually clear with a slight greenish tint.

Our review of your Discharge Monitoring Reports (10/1/2010 to 12/1/2011) indicated numerous effluent violations. At this time, the WWTP is in Significant Non-Compliance with the NPDES permit effluent limits, and in order to avoid escalated enforcement action, steps must be taken to eliminate these violations immediately. Please refer to the enclosed violation table.

The WWTP is still receiving excessive flow during rain events caused by clean water infiltration/inflow (I/I) in the collection system. In our inspection letter dated December 14, 2006, we noted that the WWTP received excessive I/I. Again, during our March 23, 2011, inspection, we pointed out the I/I issue. Therefore, we very strongly recommend the Village investigate the I/I problems throughout the entire collection system. The findings and recommendations from on-going smoke testing and video inspections should be incorporated into a comprehensive rehabilitation program with the goal of minimizing the I/I from the collection system. Elimination of large sources of clean water infiltration could help delay another costly treatment plant expansion.

A copy of our completed inspection report is included for your review. If you have any questions, please call Mr. Jason Ko of our office at 419-373-3021.

Yours truly,

Elizabeth Wick, P.E.
Section Manager/Environmental Engineer
Division of Surface Water

JK/jlm
Enclosures
ec: Inspection Tracking

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
2PB00000	OH0021989	2011/12/7	C	S	P

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Sycamore Sycamore WWTP 312 Kilborn Street Sycamore, OH 44882	11:15 A.M.	6/1/2007
	Exit Time	Permit Expiration Date
	12:00 P.M.	5/31/2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mr. David Clark, Plant Operator	419-937-4124

Name, Address and Title of Responsible Official	Phone Number
Mayor & Council Members Village of Sycamore P. O. Box 279 Sycamore, Ohio 44882	(419)-927-4432

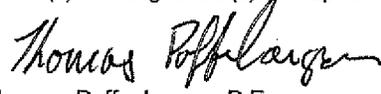
Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	- Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	- Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage	- Other
<u>M</u> Collection System		

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- * WWTP was in operation and is in Significant Non-Compliance with effluent limits for ammonia
- * A discharge with slight greenish tint was noted
- * Recommend strongly the village take corrective actions to address the excessive I/I problems
- * The NPDES permit will expire 5/31/2012
- * Review of the Discharge Monitoring Reports (10/1/2010 – 12/1/2011) indicated numerous effluent violations

 Jason Ko Name(s) and Signature(s) of Inspector(s)	12/22/11 Date	Ohio EPA, Northwest District Office
 Thomas Poffenbarger, P.E. Name and Signature of Reviewer	12/21/11 Date	Ohio EPA, Northwest District Office

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

Form Approved
OMB No.

158-R0035

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Protection	S	
	Safety Features	S	Fenced
	Bypasses	-	
	Stormwater Overflows	-	
	Alternate Power Source	OUT	Standby generator – test weekly
Preliminary	Maintenance of Collection Systems	M	Recommend I/I study to reduce excessive flow in rain events
	Pump Station	IN	
	Ventilation	-	
	Bar Screen	IN	
	Disposal of Screenings	IN	Landfill
	Comminutor	OUT	Broken
	Grit Chamber		
	Disposal of Grit		
Primary	Settling Tanks	-	
	Scum Removal	-	
	Sludge Removal	-	
	Effluent	-	
Sludge Disposal	Digesters	IN	1 aerated basin
	Temperature and pH	-	
	Gas Production	-	
	Heating Equipment	-	
	Sludge Pumps	IN	2RAS/WAS
	Drying Beds	-	
	Vacuum Filter	-	
	Disposal of Sludge	S	Land apply
	Sludge Blower	IN	1 aerator
Other	Flow Meter and Recorder	IN	Ultrasonic at effluent
	Records	S	
	Lab Controls	-	
	Chemical Treatment	-	
Secondary-Tertiary List items as required	Oxidation basin	IN	1 unit & brown color
	Final Settling	IN	2 units in use
	Polishing Pond	IN	w/ post air
	Blower	IN	2 units
Disinfection	Effluent	IN	Clear with slight greenish tint
	Disinfection System	OUT	UV system
	Effective Dosage	-	
	Contact Time	-	
	Contact Tank	-	
	Post Air	IN	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00000*CD	December 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.5	7.285	12/1/2010
2PB00000*CD	December 2010	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.8	14.4	12/15/2010
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.5	34.25	1/1/2011
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.8	32.6	1/1/2011
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	2.7	6.56849	1/1/2011
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	4.1	5.79938	1/1/2011
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.8	35.9	1/15/2011
2PB00000*CD	January 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	4.1	7.3376	1/15/2011
2PB00000*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.5	21.665	2/1/2011
2PB00000*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.8	37.5	2/1/2011
2PB00000*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	2.7	3.62688	2/1/2011
2PB00000*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	4.1	5.81944	2/1/2011
2PB00000*CD	March 2011	001	00530	Total Suspended Solids	7D Qty	27.3	33.5843	3/1/2011
2PB00000*CD	March 2011	001	80082	CBOD 5 day	30D Qty	6.1	6.65356	3/1/2011
2PB00000*CD	March 2011	001	80082	CBOD 5 day	7D Qty	9.1	22.9673	3/1/2011
2PB00000*CD	May 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	2.5325	5/1/2011
2PB00000*CD	May 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	7.4	5/15/2011
2PB00000*CD	June 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	12.025	6/1/2011
2PB00000*CD	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	8.95	6/1/2011
2PB00000*CD	June 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	1.2	2.1847	6/1/2011
2PB00000*CD	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	15.1	6/15/2011
2PB00000*CD	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	1.8	2.74337	6/15/2011
2PB00000*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	13.065	7/1/2011
2PB00000*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	21.8	7/1/2011
2PB00000*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	1.2	2.89359	7/1/2011
2PB00000*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	1.8	5.03329	7/1/2011
2PB00000*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.0	4.33	7/15/2011