



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Sandusky County
Village of Gibsonburg
NPDES Permit

October 15, 2009

Mayor and Council
Village of Gibsonburg
120 North Main Street
Gibsonburg, Ohio 43431

Dear Mayor and Council:

On August 12, 2008, Mary Beth Cohen and Dan Gill met with Village of Gibsonburg representatives and conducted a compliance inspection of the wastewater treatment plant (WWTP). David Johnson, Village Administrator, Paul Clark, WWTP Superintendent, Andrew Dean, Council and Michael Atherine, Poggemeyer Design Group/ Village Engineer, were present during the inspection.

All major treatment units were in operation during the inspection. A clear final effluent was being discharged. The following items were noted:

- Water remaining in the existing storm / equalization (EQ) basin was being pumped back to the plant.
- It was indicated that the oxidation ditches are cleaned once per year, depending on weather and flows.
- The north aerated sludge tank was not in service at the time of the inspection.
- Deterioration of the seams and junctions of the oxidation ditch concrete walls was noted. The Village should review and repair the walls as necessary.
- The rerouting of Hurlbut Ditch has reduced the wet weather flow to both the west combined sewer overflow (CSO #003) and the treatment plant.
- On September 23, 2009, we received the "Village of Gibsonburg 12 month flow monitoring submittal" which was required after rerouting Hurlbut Ditch.
- Septic tanks are required as part of the Village's approved sewerage system. It was indicated that the tanks are cleaned once every four years on a rotating basis.

A review of the conditions of your NPDES permit and discharge monitoring reports has also been conducted. Our review indicates violations of the conditions of your NPDES permit. The specific instances of noncompliance are as follows:

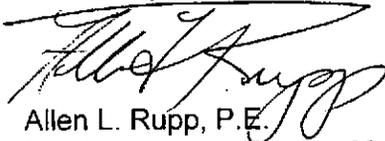
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Part I, C - Schedule of Compliance, B. Compliance Schedule for Mercury Variance, required the submittal of a letter stating the intent to meet the water quality based effluent limit or submittal of a variance request. The conditions of the NPDES permit indicated that this submittal was due 12 months from the effective date of the permit (due by 7/1/2008). **The letter or variance request has not yet been submitted and is in violation of the permit.**

A list of permit violations (August 2008 through September 2009) is enclosed.

Our completed inspection report form is enclosed for your review. If there are any questions, please contact Mary Beth Cohen at 419-373-3014.

Yours truly,



Allen L. Rupp, P.E.
District Engineer/Section Manager
Division of Surface Water

/csi

Enclosures

pc: David Johnson, Village Administrator
Paul Clark, Superintendent (with enclosures)
Poggemeyer Design Group
DSW, NWDO File

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PA00005</u>	<u>OH0029122</u>	<u>2009/08/12</u>	<u>C</u>	<u>S</u>	<u>1</u>

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Gibsonburg WWTP 225 W. Cedar Street Gibsonburg, OH 43431	10:00 am	July 1, 2007
	Exit Time	Permit Expiration Date
	12:30 pm	June 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
David Johnson, Village Administrator	419-637-2634
Paul Clark, WWTP Superintendent	
Michael Atherine, Poggemeyer Design Group/ Village Engineer	419-352-7357

Name, Address and Title of Responsible Official	Phone Number
Mayor & Council Village of Gibsonburg 120 N. Main St. Gibsonburg, OH 43431	419-637-2634

Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

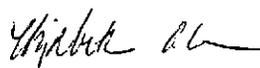
Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

The aerator rotors should continue to be run 24/7.

The deterioration of the oxidation ditch concrete walls needs to be assessed and repaired.

The Hurlbut Ditch rerouting project was completed in October 2007. The Village of Gibsonburg 12 month flow monitoring submittal has been received.

Mary Beth Cohen  10/9/09, Ohio EPA, Northwest
 Name(s) and Signature(s) of Inspector(s) Date District Office

Elizabeth A. Wick, P.E.  10/9/09, Ohio EPA, Northwest
 Name and Signature of Reviewer Date District Office

F. GU... - 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	Village Water
	Safety Features	S	Entire WWTP site is fenced
	Bypasses	-	
	Storm water Overflows (CSO/EQ)	Out	Plant bypass from Storm / Equalization Basin
	Alternate Power Source	S	Generator (2 on site w/ portable to run lift station)
Preliminary	Maintenance of Collection Systems	-	
	Pump Station	In	Three influent pumps (alternate w/ one in use)
	Ventilation		
	Bar Screen	Out	Used as needed if bypass of comminutor needed
	Disposal of Screenings		
	Comminutor	In	Operating
	Grit Chamber		
	Disposal of Grit		
	Septic Tanks	In	Required as part of sewer system -cleaned 1x/4yr on rotating basis
	Storm / Equalization Basin (EQ)	In	Remaining storm water was being pumped to WWTP for treatment
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters	In	Two (2) aerobic w/ one (1) in use
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	In	Three (3) RAS/WAS
	Drying Beds	In	Three (3) beds - all in use
	Vacuum Filter		
	Disposal of Sludge	S	Hauled to landfill
	Septic Receiving Station	Out	Septic tanks cleaned and hauled by Adkins Sanitation
	Septic Receiving Station Degritter	Out	
Other	Flow Meter and Recorder	In	Flow meter at influent (parshal flume) and final effluent (channel flow)
	Records	-	
	Lab Controls	-	
	Chemical Treatment		
Secondary Tertiary	Oxidation Ditches	In	Two (2) oxidation ditches - Both in operation
	Final Clarifiers	In	Two (2) - Both in operation - slight flock carryover
Disinfection	Effluent	S	Clear
	Disinfection System	In	Sodium Hypochlorite
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	In	Slight green cast
	Dechlorination	In	Sodium Thiosulfate

Village of Gibsonburg Effluent Violations
 August 2008 through September 2009

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PA00005*FD	August 2008	001	00530	Total Suspended Solids	30D Conc	13.7	14.415	8/1/2008
2PA00005*FD	August 2008	001	00530	Total Suspended Solids	7D Conc	20	37.5	8/1/2008
2PA00005*FD	August 2008	001	00530	Total Suspended Solids	7D Qty	38	42.3191	8/1/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.9	3.7	8/1/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	7.25	8/1/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	3.6	3.85734	8/1/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	8.16292	8/1/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	7.35	8/22/2008
2PA00005*FD	August 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	7.05429	8/22/2008
2PA00005*FD	October 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.9	3.225	10/1/2008
2PA00005*FD	October 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	12.55	10/1/2008
2PA00005*FD	October 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	11.8258	10/1/2008
2PA00005*FD	December 2008	001	80082	CBOD 5 day	30D Conc	10.0	19.7975	12/1/2008
2PA00005*FD	December 2008	001	80082	CBOD 5 day	30D Qty	19	35.1278	12/1/2008
2PA00005*FD	December 2008	001	80082	CBOD 5 day	7D Conc	15.3	69.995	12/8/2008
2PA00005*FD	December 2008	001	80082	CBOD 5 day	7D Qty	29	127.242	12/8/2008

Frequency Violations

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
2PA00005*FD	November 2008	001	00610	Nitrogen, Ammonia (NH3)	2/Week	2	1	11/15/2008