



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

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

Re: Sandusky County
Village of Gibsonburg
NPDES File

September 30, 2008

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

Dear Mayor and Council:

On June 9, 2008, Mary Beth Cohen conducted a compliance inspection of the Gibsonburg Wastewater Treatment Plant (WWTP). Mr. Paul Clark, Superintendent was present and provided information on the plant's operation. Mr. David Johnson, Village Administrator and Mr. Tom Stalter, Poggemeyer Design Group, were also present.

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 storm / equalization (EQ) basin was being pumped back to the plant. Algae present in this water caused the two final clarifiers to have a green cast.
- The EQ basin was completely cleaned of solid deposits last year. It was indicated that this cleaning is to be done annually.
- It appeared that the seams/junctions of the oxidation ditch concrete wall segments were in need of repair. Information regarding the review of necessary repairs should be provided to this office.
- The Village indicated that one, possibly both, of the ditches would be taken down for cleaning this year, depending on weather and flows.
- The north aerated sludge tank was down to repair the cracked diffusers.
- Sludge in the drying beds was ready to be removed. Drying bed sludge is currently disposed of at a landfill.
- The Village of Gibsonburg Long Term Control Plan (LTCP) has been approved with an associated schedule of compliance included in the NPDES permit.

Prior to the plant inspection, various aspects of the recently completed Hurlbut Ditch relocation project were viewed and discussed. Rerouting of the ditch was completed in October 2007. The ditch has been rerouted so that it no longer flows into the Village interceptor sewer. This has reduced the wet weather flow to both the west combined sewer overflow (CSO #003) and the WWTP.

Information should be provided to this office which outlines the storm sewers which have been rerouted as part of the Ditch relocation project.

Sewer separation work along South Main Street has been completed. It was indicated that this project included the elimination of the Linden Avenue Lift Station CSO (#002). An update is to be provided to this office, further documenting this information.

As part of the approved LTCP, a minimum of 12 months of flow monitoring data is to be collected, as outlined in the NPDES permit *Part I, C-Schedule of Compliance* (section A, 3).

Septic tanks are required as part of the Village's approved sewerage system. As a condition of the original approval, these tanks are to be cleaned on a dedicated rotating basis.

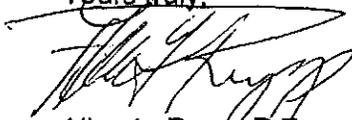
It was indicated that Adkins Sanitation is contracted to pump out the septic tanks. The septic waste is not disposed of at the Village WWTP.

At this time, a copy of the schedule and tracking system used to manage the rotating cleaning and disposal of waste from these tanks from the past three (3) years should be submitted to this office. Please submit this information as soon as possible, but no later than October 15, 2008. If the Village does not have a formal tracking system in use, please provide this office with information regarding the development of such.

A review of your discharge monitoring reports (DMRs) has also been conducted. A list of permit violations (7/2006- 7/2008) is enclosed. Our completed inspection report forms are 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

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Enclosures

pc: David Johnson, Village Administrator
Paul Clark, Superintendent (with enclosures)
Tom Stalter, 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>2008/06/09</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	10:20 am	July 1, 2007
	Exit Time	Permit Expiration Date
	12:35 pm	June 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
David Johnson, Village Administrator	419-637-2634
Tom Stalter, 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 Village of Gibsonburg Long Term Control Plan (LTCP) has been approved, with associated schedule of compliance included in the NPDES permit.

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

The Hurlbut Ditch rerouting project of was completed in October 2007.

Mary Beth Cohen
 Name(s) and Signature(s) of Inspector(s)

9/8/08
 Date

Ohio EPA, Northwest
 District Office

Elizabeth A. Wick, P.E.
 Name and Signature of Reviewer

9/8/08
 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	Village Water
	Safety Features	S	Entire WWTP site is fenced
	Bypasses	-	
	Storm water Overflows	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	Bypass of comminutor
	Disposal of Screenings		
	Comminutor	In	Operating
	Grit Chamber		
	Disposal of Grit		
	Septic Tanks	In	Septic tanks required as part of sewer system / cleaned on rotating basis
Storm / Equalization Basin (EQ)	In	Remaining storm water 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 - ready to be cleaned
	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 w/ green cast due to algae from EQ basin
Disinfection	Effluent	S	Clear
	Disinfection System	In	Sodium Hypochlorite
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	S	Slight green cast
	Dechlorination	In	Sodium Thiosulfate

Village of Gibsonburg
Effluent Permit Limit Violations (7/2006 thru 7/2008)

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PA00005*FD	July 2007	001	00530	Total Suspended Solids	30D Conc	13.7	13.8962	7/1/2007
2PA00005*FD	July 2007	001	00530	Total Suspended Solids	7D Conc	20	27.085	7/15/2007
2PA00005*FD	August 2007	001	31616	Fecal Coliform	7D Conc	2000	3489.98	8/1/2007
2PA00005*FD	August 2007	001	31616	Fecal Coliform	7D Conc	2000	4974.93	8/15/2007
2PA00005*FD	September 2007	001	00530	Total Suspended Solids	30D Conc	13.7	14.58	9/1/2007
2PA00005*FD	September 2007	001	00530	Total Suspended Solids	7D Qty	38	39.5811	9/1/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.9	4.4	9/1/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	3.6	5.37054	9/1/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	6.3	9/15/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	6.83685	9/15/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	7.45	9/22/2007
2PA00005*FD	September 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	8.64097	9/22/2007
2PA00005*FD	October 2007	001	00530	Total Suspended Solids	30D Conc	13.7	15.5837	10/1/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.9	6.9575	10/1/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	8.03	10/1/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	3.6	7.45178	10/1/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	7.884	10/1/2007
2PA00005*FD	October 2007	001	00530	Total Suspended Solids	7D Conc	20	21.	10/8/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	8.8	10/8/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	7.66065	10/8/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	7.35	10/15/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	5.4	8.87753	10/15/2007
2PA00005*FD	October 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.85	3.65	10/22/2007
2PA00005*FD	November 2007	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.0	5.46875	11/1/2007
2PA00005*FD	November 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.0	6.35	11/8/2007
2PA00005*FD	November 2007	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.0	8.7	11/15/2007
2PA00005*FD	February 2008	001	00530	Total Suspended Solids	7D Qty	38	39.9761	2/1/2008

Village of Gibsonburg
Effluent Permit Limit Violations (7/2006 thru 7/2008)

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit/Type	Limit	Reported Value	Violation Date
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.9	5.065	5/1/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	5.05	5/1/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	3.6	8.16169	5/1/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	8.91614	5/1/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	4.15	5/15/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	6.54048	5/15/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	8.65	5/22/2008
2PA00005*FD	May 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	12.4583	5/22/2008
2PA00005*FD	June 2008	001	00530	Total Suspended Solids	30D Conc	13.7	16.205	6/1/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.9	6.82125	6/1/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	7.435	6/1/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	3.6	9.70935	6/1/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	13.6506	6/1/2008
2PA00005*FD	June 2008	001	31616	Fecal Coliform	7D Conc	2000	10000.	6/1/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	4.8	6/8/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	8.96894	6/8/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	7.55	6/15/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	8.37715	6/15/2008
2PA00005*FD	June 2008	001	00530	Total Suspended Solids	7D Conc	20	23.17	6/22/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	7.5	6/22/2008
2PA00005*FD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	7.84063	6/22/2008
2PA00005*FD	July 2008	001	00530	Total Suspended Solids	30D Conc	13.7	18.2875	7/1/2008
2PA00005*FD	July 2008	001	00530	Total Suspended Solids	7D Conc	20	31.65	7/1/2008
2PA00005*FD	July 2008	001	00530	Total Suspended Solids	7D Qty	38	40.0286	7/1/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.9	5.155	7/1/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	7.07	7/1/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	3.6	6.39199	7/1/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	8.36402	7/1/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	9.3	7/22/2008
2PA00005*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	9.60709	7/22/2008