



**Environmental  
Protection Agency**

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

Re: Sandusky County  
Village of Gibsonburg  
NPDES Permit

May 30, 2012

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

Dear Mayor and Council:

On April 19, 2012, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was conducted at the Village of Gibsonburg wastewater treatment plant (WWTP). Mr. Paul Clark, WWTP Superintendent, was present and provided information regarding the plant's operation. Observations and recommendations noted during the inspection are as follows:

All major treatment units were in operation during the inspection. The following items were noted:

- Stored contents of the equalization (EQ) basin had recently been pumped back to the plant and the basin was almost empty. The residuals remaining in the EQ basin still need to be removed. It was noted that as the EQ basin is emptied, algae growth increases. This algae causes increased total suspended solids through the wastewater treatment plant and discharge.
- It was indicated that the east oxidation ditch was scheduled to be cleaned last year, but the extreme wet weather prevented that. Mr. Clark indicated that, weather permitting, the east ditch will be cleaned this summer.
- The north aerated sludge tank was in use and the south tank had just been placed back in service.
- It was indicated that dog food (5 gal/day) is being added at the WWTP to increase the nutrients to the plant and improve the biological treatment process.
- Actual meter readings obtained from the flow meters that were installed at the EQ basin and the CSO's need to be included in the discharge monitoring reports (DMRs). Please provide updated DMR submittals with the actual flows.

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.

**NPDES – Schedule of Compliance:**

A review of the conditions of your NPDES permit has been conducted. The 2PA00005\*GD NPDES permit required information be obtained as indicated in Part I, C - Schedule of Compliance, A. Municipal CSO Schedule, as follows:

- A. (4) *The permittee shall have completed installation of flow monitors allowing for collection and reporting of overflow occurrence, volume and duration data at CSO locations 2PA00005003 and 2PA00005004, and Equalization Basin Overflow 2PA00005005, by no later than January 1, 2011.*

**Please provide written documentation of the dates the flow monitors were installed (for each outfall) and include all data (overflow occurrence, volume and duration data) that has been collected to date. This information should be provided as soon as possible, but no later than June 30, 2012.**

- B. (3) *Upon completion of the Hurlbut Ditch relocation project, as indicated in the approved Long-Term Control Plan (LTCP), a minimum of 12 month flow monitoring data is to be collected as follows:*

*To determine design flows without the influence of Hurlbut Ditch, flow monitoring is to include upstream of the West Branch CSO (003), the 48" diameter interceptor and combined sewers, and downstream of West Branch of CSO in existing 27" diameter interceptor.*

*Flow monitoring to be initiated no later than 12 months, and completed no later than 24 months from the effective date of this permit. Submit written notification to the OEPA - NWDO, within seven days of completion.*

*(5) Submit an amended LTCP (to Ohio EPA-NWDO for review and acceptance) to include evaluation for additional CSO control measures and equalization basin improvements, as soon as possible but no later than May 1, 2012. The amended plan shall include the Hurlbut Ditch relocation flow monitoring evaluation results.*

**On May 1, 2012, we received an amended LTCP, which is under review. The amended plan was to include the Hurlbut Ditch relocation flow monitoring evaluation results. This evaluation was required as indicated in item #3, to be**

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**submitted as indicated in item #5 of the compliance schedule. Please provide this information as soon as possible, but no later than June 15, 2012.**

A compliance review of your discharge monitoring reports (DMRs) was conducted. A list of permit violations (October 2009 thru March 2012) 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,



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

MBC/jlm

Enclosures

pc: David Johnson, Village Administrator  
Paul Clark, Superintendent  
Poggemeyer Design Group

ec: Inspection Tracking

**Gibsonburg WWTP**  
**2PA00005 (001) Effluent Limit Violations**  
**October 2009 thru March 2012**

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2011	001	31648	E. coli	7D Conc	362	491.934	8/1/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.9	3.12375	9/1/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	3.6	5.11437	9/1/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	5.325	9/15/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	8.46146	9/15/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.85	4.69	9/22/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	5.4	6.76573	9/22/2011
October 2011	001	31648	E. coli	30D Conc	161	268.110	10/1/2011
October 2011	001	31648	E. coli	7D Conc	362	502.991	10/8/2011
October 2011	001	31648	E. coli	7D Conc	362	2308.67	10/22/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	7.37375	11/1/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	8.645	11/1/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	7.6	13.7328	11/1/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	15.9959	11/1/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	9.65	11/8/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	17.9558	11/8/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	6.5	11/15/2011
November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	12.4439	11/15/2011
December 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	7.6	7.67944	12/1/2011
December 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	11.4450	12/15/2011
January 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	6.27125	1/1/2012
January 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	8.665	1/1/2012
January 2012	001	00610	Nitrogen, Ammonia (NH3	30D Qty	7.6	11.9602	1/1/2012
January 2012	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	17.3639	1/1/2012
January 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	9.02	1/8/2012
January 2012	001	00610	Nitrogen, Ammonia (NH3	7D Qty	11.3	16.8371	1/8/2012

# 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>2012/04/19</u>	<u>C</u>	<u>S</u>	<u>1</u>

## Section B: Facility Data

Name and Location of Facility Inspected  Village of Gibsonburg WWTP 225 W. Cedar Street Gibsonburg, OH 43431	Entry Time	Permit Effective Date
	9:45 am	December 1, 2010
	Exit Time	Permit Expiration Date
	12:30 pm	June 30, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Paul Clark, WWTP Superintendent	419-637-7834

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)

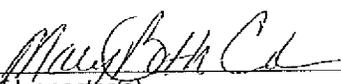
<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>S</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>N</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal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

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

Actual measured EQ flow meter discharges at the EQ basin and CSO's should be included in the DMR's.

As the EQ basin is being emptied, algae growth increases causing noticeable increased suspended solids levels at the WWTP outfall.

It was indicated that dog food (5 gal/ day) is being added at the WWTP to increase the nutrients to the plant and improve the biological treatment process.

Mary Beth Cohen  5/30/12, Ohio EPA, Northwest  
 Name(s) and Signature(s) of Inspector(s) Date District Office

Thomas Poffenbarger, P.E.  5/31/12, Ohio EPA, Northwest  
 Name and Signature of Reviewer Date District Office

## F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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	Two CSO's and 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	In	Used prior to 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)	Out	Thank was empty	
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters	In	Two aerobic – one was in use (full), second one just put into use
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	In	Three (3) RAS/WAS
	Drying Beds	Out	Three (3) beds -- Not in use at the time of inspection
	Vacuum Filter		
	Disposal of Sludge	S	Hauled to landfill
	Septic Receiving Station	Out	Septic tanks cleaned Adkins Sanitation (waste is hauled to Fremont)
	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 with clear discharge
Disinfection	Effluent	S	Clear
	Disinfection System	Out	Sodium Hypochlorite (ready for seasonal use)
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	S	Slight green cast
	Dechlorination	Out	Sodium Thiosulfate (ready for seasonal use)
	In		