



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

September 5, 2013

Ms. Patti Bates, Village Administrator
 Village of Williamsburg
 107 West Main Street
 Williamsburg, Ohio 45176

**RE: Williamsburg WWTP, NPDES Permit No. 1PB00034*GD / OH0021571
 Compliance Evaluation Inspection**

Dear Ms. Bates:

On Thursday, August 22, 2013, Mr. Ron Ware of this office conducted a Compliance Evaluation Inspection at the above referenced facility. The Village was represented by Kyle Cribbet, the Operator of Record for this facility. The purpose of the inspection was to evaluate plant operation and performance. As indicated in the attached report, one of the areas that were evaluated during the inspection received ratings other than "Satisfactory."

The area designated as "Effluent/Receiving Waters" received a "Marginal" rating due to the following violations of the final effluent limitations in this facility's current NPDES permit (1PB00034*GD) that occurred between June 1, 2012 through July 31, 2013:

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2012	Phosphorus, Total (P)	30D Conc	2.0	2.94	6/1/2012
June 2012	Phosphorus, Total (P)	30D Qty	3.79	4.16183	6/1/2012
July 2012	Phosphorus, Total (P)	30D Conc	2.0	2.37	7/1/2012
Aug. 2012	Phosphorus, Total (P)	30D Conc	2.0	3.49	8/1/2012
Aug. 2012	Phosphorus, Total (P)	30D Qty	3.79	4.00252	8/1/2012
Sept. 2012	Phosphorus, Total (P)	30D Conc	2.0	2.24	9/1/2012
Oct. 2012	Phosphorus, Total (P)	30D Conc	2.0	2.25	10/1/2012
Nov. 2012	Phosphorus, Total (P)	30D Conc	2.0	2.71	11/1/2012
Feb. 2013	Total Suspended Solids	7D Conc	30	31.	2/22/2013
Feb. 2013	Total Suspended Solids	7D Qty	56.8	93.8036	2/22/2013
July 2013	Nitrogen, Ammonia (NH3)	7D Qty	4.35	5.00466	7/22/2013

Mr. Cribbet indicated during the inspection that the installation of an alum feed system ahead of the secondary treatment process has enabled the facility to consistently meet its final effluent limitations for Total Phosphorus. He also indicated that the final effluent violations that were reported in February 2013 and in July 2013 were due to storm induced high flows rates through the facility.

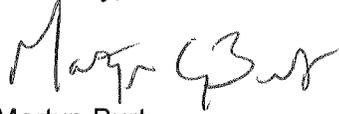
Due to the facility's compliance with its final effluent limitations for Total Phosphorus over the past eight months, the Williamsburg WWTP has now been moved off of the Six Month

Williamsburg WWTP
September 5, 2013
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Significant Non-Compliance (SNC) watch list. No response or corrective action is required from the village of Williamsburg at this time.

If you have any questions regarding this report, please contact Mr. Ware at (937) 285-6098.

Sincerely,

A handwritten signature in black ink, appearing to read "Martyn Burt". The signature is written in a cursive style with some loops and flourishes.

Martyn Burt
Compliance and Enforcement Supervisor
Division of Surface Water

MB/kb

cc: Kyle Cribbet, Village of Williamsburg
Sam Swanson, Burgess & Niple, Ltd.



State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PB00034*GD	OH0021571	08/15/2013	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Williamsburg WWTP 100 Mill Street Williamsburg, Ohio, Clermont County	9:30 AM	September 1, 2009
	Exit Time	Permit Expiration Date
	10:40 AM	August 31, 2014
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Kyle Cribbet, Operator of Record	513-724-2248	
Name, Address and Title of Responsible Official	Phone Number	
Patti Bates, Administrator Village of Williamsburg 107 West Main Street Williamsburg, Ohio 45176	(513) 724 - 6107	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
Inspector	Reviewer
<i>Ron Ware</i> 9/5/2013	<i>Martyn G. Burt</i> 9/5/13
Ron Ware Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
Date	Date

Permit #: 1PB00034*GD
NPDES #: OH0021571

Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- | | |
|--|---|
| (a) Correct name and mailing address of permittee | Y |
| (b) Flows and loadings conform with NPDES permit..... | Y |
| (c) Treatment processes are as described in permit application... | Y |
| (d) All discharges are permitted..... | Y |
| (e) Number and location of discharge points are as described
in permit..... | Y |

Comments/Status:

An alum feed system was set up in January 2013 to improve the facility's removal efficiency for Total Phosphorus. Alum is added ahead of the SBR units to the effluent from the automated grit removal unit.

Section F: Compliance

- | | |
|--|-----|
| (a) Any violations since the last inspection..... | Y |
| (b) Appropriate Non-compliance notification of violations..... | Y |
| (c) Permittee is taking actions to resolve violations..... | Y |
| (d) Permittee has a compliance schedule..... | N |
| (e) Compliance schedule contained in...N/A | |
| (f) Permittee is in compliance with schedule..... | N/A |

Comments/Status:

(a) A list of violations is provided on page 11 of this report.

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed Y
 - i. What does the back-up power source operate.....

The entire facility.
 - ii. How often is the generator tested under load.....

Once a week.

- (b) Which components have an alarm system available for power or equipment failures.....

The influent pumps and effluent pumps have back-up power and alarm systems (i.e., auto-dialers).

- (c) All treatment units in service other than backup units..... Y
- (d) What method is used for scheduling routine & preventative maintenance (calendar, software, etc.).....

Maintenance is scheduled on major equipment after a set number of hours of operation.
- (e) Any major equipment breakdown since last inspection..... N
- (f) Operation and maintenance manual provided and maintained..... Y
- (g) Any plant bypasses since last inspection..... N
- (h) Any plant upsets since last inspection..... N

Comments/Status:

Section G: Operation & Maintenance con't

Collection System:

- (a) Are there pump stations in the collection system..... Y
 (There are 5 pump stations in the collection system for this facility)
 - i. How many publicly-owned pump stations equipped with permanent standby power or equivalent..... 4
 - ii. How many pump stations have telemetered alarms..... 4
 - iii. How many pump stations have operable alarms..... 5
- (b) Any chronic collection system overflows since last inspection..... N
- (c) Regulatory agency notified of all overflows..... Y
- (d) Are there CSOs in the collection system..... N
 if so, what is the LCTP status.....

N/A
- (e) How are CSOs monitored (chalk, block, level sensor, etc.).....

N/A
- (f) Portable pumps available for collection system maintenance..... Y
- (g) RDII Program established and active..... N
- (h) Any WIB complaint received since last inspection..... N
- (i) Is there a WIB response plan..... N
- (j) Is any portion of the collection system at or near dry weather capacity..... N

Comments/Status:

(a) The type of alarm system used is an auto-dialer.

(f) Portable pumps for collection system maintenance are available through a service contract.

(g) Preliminary planning is underway to establish an RDII Program.

Section H: Sludge Management

- (a) Method of Sludge Disposal... Land Application
 Haul to Another NPDES Permittee
 Haul to a Mixed Solid Waste Landfill
- (b) Has amount of sludge generated changed significantly since the last inspection..... N
- (c) How much sludge storage is provided at the plant.....
There are 150,000 gallons of aerobic storage at the facility.
- (d) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06)..... Y
- (e) Any complaints received in last year regarding sludge..... N
- (f) Are sludge application sites inspected to verify compliance with NPDES permit..... N/A
- (g) Is a contractor used for sludge disposal..... Y
If so, what is the name of the contractor.....

CSI

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):
Magmeter at plant headworks.
- (b) Flow meter calibrated annually Y
- (c) 24-hour recording instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range of flows..... Y
- (e) All discharged flow is measured..... Y

Comments/Status:

Section I: Self-Monitoring Program (con't)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
(see GLC page)
- (d) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (e) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (f) If alternate analytical procedures are used, proper approval has been obtained..... N/A
- (g) Analyses being performed more frequently than required by permit. N
- (h) If (e) is yes, are results in permittee's self-monitoring report..... N/A
- (i) Satisfactory calibration and maintenance of instruments/equipment. N
- (j) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Ammonia nitrogen, nitrates & nitrites, oil & grease, total phosphorus, sludge parameters, cyanide & metals

Lab name: Test America

Section J: Effluent/Receiving Water Observations

Outfall # 1PB00034001

Outfall Description: Effluent ditch to East Fork of the Little Miami River

Receiving Stream: East Fork of the Little Miami River

Receiving Stream Description: Warm Water Habitat, Primary Contact Recreation

Comments/Status:

The plant effluent pumps were not operating at the time of the inspection.

Inspection Findings

The Village of Williamsburg's wastewater treatment Plant (WWTP) is designed to treat an average daily flow of 0.5 million gallons per day (MGD). From August 1, 2012 through July 31, 2013, the Village reported an average daily flow of 0.432 MGD. The WWTP consists of the following major components:

- Preliminary Screens (mechanical ¾" opening)
- Grit Removal
- (4) Sequencing Batch Reactor Tanks
- Ultraviolet disinfection
- (3) Aerobic Sludge Storage Tanks

Effluent Limit Violations

(Period of Review: June 2012 – July 2013)

7D = Weekly 30D = Monthly 1D = Daily
 Conc. = Concentration (mg/l) Qty. = Quantity (Kg/Day)

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Due to the NPDES violations listed above, the "Effluent/Receiving Waters" section of this report was given a "Marginal" rating.