



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

November 27, 2012

Robert Dean, Village Administrator
Village of Sabina
101 N. Howard Street
Sabina, Ohio 45169

**RE: Village of Sabina WWTP, NPDES Permit No. 1PB00038*GD / OH0022128
Compliance Evaluation & Pre-Permit Renewal Inspection**

Dear Mr. Dean:

On Wednesday, October 31, 2012, Mr. Ron Ware of this office conducted a Compliance Evaluation Inspection of the Village's wastewater treatment facility. A copy of the inspection report is enclosed. As indicated in the report, all of the areas that were evaluated during the inspection were rated as "Satisfactory."

A draft renewal NPDES permit for this facility (1PB00038*HD) has been prepared and will be sent out to public notice in the coming month. This draft permit will have the following requirement:

Effluent Disinfection Standard

Due to changes in the State of Ohio's Water Quality Standards, the disinfection standard in NPDES permits has been changed from fecal coliform to E. coli. For the Village's treatment plant, the applicable E. coli standards will be 161 counts/100 ml (monthly geometric mean) and 362 counts/100/ ml (weekly geometric mean). Interim and final effluent tables along with a compliance schedule have been added to the draft renewal permit to allow the Village some time to evaluate whether its treatment works can comply with the new limits for E. coli.

Mr. Robert Dean, Village Administrator
Village of Sabina, WWTP Compliance Evaluation and Pre-Permit Renewal Inspection
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If you have any questions regarding this report, please contact Mr. Ware at (937) 285 – 6098 or by e-mail at ron.ware@epa.state.oh.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Martyn Burt". The signature is written in a cursive style with a large initial "M".

Martyn Burt
Compliance and Enforcement Supervisor
Division of Surface Water

MB/tb

Enclosure



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
1PB00038*GD	OH0022128	10/31/2012	C	S	1

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Sabina WWTP 700 Mill Street Sabina, Ohio 45169	9:15 AM	February 1, 2008
	Exit Time	Permit Expiration Date
	11:00 AM	January 31, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Randy Fair, ORC	(937) 584 - 2131	
Name, Address and Title of Responsible Official	Phone Number	
Robert Dean, Village Administrator Village of Sabina 101 N. Howard Street Sabina, Ohio 45169	(937) 584 - 4323	

Section C: Areas Evaluated During Inspection

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

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

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

Inspector	Reviewer
<p><i>Ron Ware</i> <i>11/27/2012</i></p> <p>Ron Ware Date</p> <p>Division of Surface Water</p> <p>Southwest District Office</p>	<p><i>Martyn Burt</i> <i>11/27/2012</i></p> <p>Martyn Burt Date</p> <p>Compliance & Enforcement Supervisor</p> <p>Division of Surface Water</p> <p>Southwest District Office</p>

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:

Section F: Compliance

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

Comments/Status:

(b) Permit to Install # 862036 was issued on May 15, 2012 to the Village of Sabina for improvements to the Sabina WWTP. Construction of these improvements has been initiated. The projected completion date is July 2013.

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.....

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

Once a month.

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

The influent pump station. The plant upgrade that is currently under construction will provide alarms to the other treatment units on site.

- (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 performed on an "as needed" basis.

- (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

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7)..... II
- (b) Operator of Record holds unexpired license of class required by Permit..... Y
- (c) Copy of certificate of Operator of Record displayed on-site..... Y
- (d) Has the Operator of Record submitted an ORC Notification form.. Y
- (e) Minimum operator staffing requirements fulfilled (OAC 3745-7).... Y
- (f) If a Staffing Reduction plan has been approved, are the stipulations of the plan being met..... N/A
- (g) Operator of Record log book provided..... Y
- (h) Format of log book (e.g. computer log, hard bound book)

Hard bound book.
- (i) Log book kept onsite (in an area protected from weather)..... Y.
- (j) Log book contains the following
 - I. Identification of treatment works..... N
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... Y
 - iii. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)..... Y
 - iv. Laboratory results (unless documented on bench sheets)... N
 - v. Identification of person making entries..... Y
- (k) Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... N/E

Comments/Status:

(j)(I) Identification of the treatment works needs to be provided on/in the ORC log book.

Section G: Operation & Maintenance con't

Collection System:

- (a) Are there pump stations in the collection system..... Y
(There are 4 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..... 0
 - iii. How many pump stations have operable alarms..... 4

- (b) Any chronic collection system overflows since last inspection..... Y
- (c) Regulatory agency notified of all overflows..... Y
- (d) Are there CSOs in the collection system..... N
if so, what is the LTCP status.....

- (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..... Y
- (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:

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.....
125,000 gallons of aerated storage.
- (d) Sludge adequately disposed..... Y
(Method: Dewatering in a geotextile bag, then hauling bag contents to a sanitary landfill)
- (e) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06)..... Y
- (f) Any complaints received in last year regarding sludge..... N
- (g) 5/8" screen at headworks for facilities that land apply sludge..... N/A
- (h) Are sludge application sites inspected to verify compliance with NPDES permit..... N/A
- (i) Is a contractor used for sludge disposal..... Y
If so, what is the name of the contractor.....
Rumpke

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):
Open channel radar sensor
- (b) Flow meter calibrated annually Y
(Date of last calibration: August 11, 2012)
- (c) 24-hour recording instruments operated and maintained..... N/A
- (d) Flow measurement equipment adequate to handle full range of flows..... Y
- (e) All discharged flow is measured..... Y

Comments/Status:

Flow meter is currently in an outfall sewer manhole. The flow meter will be relocated during the plant upgrade.

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
- (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

Comments/Status:

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

Laboratory:

General

- (a) Does the Quality Assurance Manual contain written Standard Operating Procedures (SOP's) for all analysis performed onsite..... Y
- (b) Do SOP's include the following if applicable..... Y
 - Title
 - Scope and Application
 - Summary
 - Sample Handling and Preservation
 - Interferences
 - Apparatus and Materials
 - Reagents
 - Procedure
 - Calculations
 - Quality Control
 - Maintenance
 - Corrective Action
 - Reference (Parent Method)

Note: Standard Methods 1020A establishes that "Quality assurance (QA) is the definitive program for laboratory operation that specifies the measure required to produce defensible data of known precision and accuracy. Standard operating procedures are to be used in the laboratory in sufficient detail that a competent analyst unfamiliar with the method can conduct a reliable review and/or obtain acceptable results." SOPs should be developed for each analytical procedure.

- (c) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (d) If alternate analytical procedures are used, proper approval has been obtained..... N/A
- (e) Analyses being performed more frequently than required by permit. N
- (f) If (e) is yes, are results in permittee's self-monitoring report..... N/A

- (g) Satisfactory calibration and maintenance of instruments/equipment. Y
- (h) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: All required parameters with the exception of temperature, pH, dissolved oxygen, and chlorine residual.

Lab name: MASI

Comments/Status:

Section J: Effluent/Receiving Water Observations

Outfall # 1PB00038001

Outfall Description: Plant outfall to Wilson Creek

Receiving Stream: Wilson Creek

Receiving Stream Description: Warm Water Habitat, Primary Contact Recreation

Comments/Status:

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

Comments/Status:

Effluent Limit Violations

(Period of Review: Feb. 2009 – Oct. 2012)

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
April 2009	CBOD 5 day	7D Qty	21.6	28.9590	4/8/2009
May 2009	Nitrogen, Ammonia (NH3)	7D Qty	3.3	4.32398	5/1/2009
June 2010	Nitrogen, Ammonia (NH3)	30D Conc	1.5	1.93	6/1/2010
June 2010	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.55	6/1/2010
June 2010	Nitrogen, Ammonia (NH3)	30D Qty	2.2	2.76305	6/1/2010
June 2010	Nitrogen, Ammonia (NH3)	7D Conc	2.3	5.75	6/8/2010
June 2010	Nitrogen, Ammonia (NH3)	7D Qty	3.3	8.58817	6/8/2010
Feb. 2011	Nitrogen, Ammonia (NH3)	7D Qty	7.2	9.67825	2/22/2011
Feb. 2011	CBOD 5 day	7D Qty	21.6	27.8746	2/22/2011
March 2011	Nitrogen, Ammonia (NH3)	30D Qty	3.6	3.89049	3/1/2011
March 2011	Nitrogen, Ammonia (NH3)	7D Qty	7.2	12.4146	3/8/2011
March 2011	CBOD 5 day	7D Qty	21.6	23.7698	3/8/2011
April 2011	Total Suspended Solids	30D Qty	17.3	29.3347	4/1/2011
April 2011	CBOD 5 day	30D Qty	14.4	16.5021	4/1/2011
April 2011	Total Suspended Solids	7D Qty	25.9	53.7413	4/8/2011
April 2011	CBOD 5 day	7D Qty	21.6	23.5729	4/8/2011
April 2011	Total Suspended Solids	7D Qty	25.9	49.1671	4/22/2011
May 2011	Total Suspended Solids	30D Qty	17.3	22.7911	5/1/2011
May 2011	Total Suspended Solids	7D Qty	25.9	37.0665	5/1/2011
May 2011	Nitrogen, Ammonia (NH3)	7D Qty	3.3	4.48901	5/1/2011
May 2011	Total Suspended Solids	7D Qty	25.9	26.1997	5/8/2011
Dec. 2011	Total Suspended Solids	30D Qty	17.3	18.5304	12/1/2011
Dec. 2011	Total Suspended Solids	7D Qty	25.9	48.2814	12/1/2011
Dec. 2011	Nitrogen, Ammonia (NH3)	30D Qty	3.6	5.86188	12/1/2011
Dec. 2011	Nitrogen, Ammonia (NH3)	7D Conc	5.0	5.85	12/22/2011
Dec. 2011	Nitrogen, Ammonia (NH3)	7D Qty	7.2	20.7300	12/22/2011
Dec. 2011	CBOD 5 day	7D Qty	21.6	25.6244	12/22/2011

Permit # 1PB00038*GD
NPDES # OH0022128

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2010	001	Fecal Coliform			AK	6/23/2010
May 2011	001	Fecal Coliform			AK	5/4/2011
May 2012	001	Fecal Coliform			AK	5/2/2012