



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

Re: **Notice of Violation**
Putnam County
Ottawa WWTP

May 2, 2013

Mr. Jack Williams
Municipal Director
Village of Ottawa
136 North Oak Street
Ottawa, Ohio 45875

Dear Mr. Williams:

On April 18, 2013, I conducted a compliance inspection at the Village of Ottawa Wastewater Treatment Plant (WWTP). Mr. Doug Schroeder was present and provided information on operation and maintenance at the plant. At the time of inspection, all required treatment processes and associated equipment were in operation and the discharge to the Blanchard River was clear, colorless, and had no noticeable odor.

A review of the discharge monitoring reports (DMR) for September 2012 to April 2013 shows that there have been several National Pollutant Discharge Elimination System (NPDES) permit effluent limit violations for mercury. The specific instance of non-compliance is enclosed on a separate sheet. Mr. Schroeder's email from April 10, 2013, indicated that the EQ basin was returning flow to the plant during the mercury sampling. It was also indicated that the Village is working on programs to further study mercury in the system.

Our completed inspection report is enclosed. If you have any questions please, contact me at (419) 373-3053.

Sincerely,

A handwritten signature in black ink, appearing to read "Ryan Gierhart".

Ryan Gierhart
Division of Surface Water
Enclosure

/jlm

Enclosures

pc: Mr. Doug Schroeder, Plant Superintendent

ec: Tracking



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PD00028	OH002692	04/18/2013	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Ottawa WWTP 1371 N. Defiance Street Ottawa OH 45875	1:00 pm	7/1/2009
	Exit Time	Permit Expiration Date
	2:45 pm	8/31/2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Doug Schroeder, Wastewater Director	(419) 523-0020	
Name, Address and Title of Responsible Official	Phone Number	
Jack Williams Municipal Director Village of Ottawa 136 North Oak Street Ottawa, Ohio 45875	(419) 335 - 9871	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>The main pump station has not been brought back online yet. The station is waiting on installation of the comminutor.</p> <p>CBOD analysis was reviewed during the inspection. The method for CBOD calculations should be evaluated.</p>	
Inspector	Reviewer
 Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office	 Thomas Poffenbarger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office
4-30-13 Date	4/22/13 Date

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
- (f) Storm water discharges properly permitted..... Y

Section F: Compliance

- (a) Any significant violations since the last inspection..... N
- (b) Appropriate Non-compliance notification of violations..... Y
- (c) Permittee is taking actions to resolve violations..... Y
- (d) Permittee has a compliance schedule..... Y
- (e) Compliance schedule contained in...NPDES permit
- (f) Permittee is in compliance with schedule..... Y
- (g) Has biomonitoring shown toxicity in discharge since last inspection N

Comments/Status:

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.....

Generator can run the entire plant.

ii. How often is the generator tested under load.....

The generator is tested weekly under load.

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

All major treatment components have alarms. Panel board alarm lights.

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

Section G: Operation & Maintenance con't

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7)..... III
- (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)

Hardbound books

- (i) Log book kept onsite (in an area protected from weather)..... Y
- (j) Log book contains the following:
- I. Identification of treatment works..... Y
 - 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)... Y
 - 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..... Y

Comments/Status:

Section G: Operation & Maintenance con't

Collection System:

- (a) Are there pump stations in the collection system..... Y
 - i. How many publicly-owned pump stations equipped with permanent standby power or equivalent.....19
 - ii. How many pump stations have telemetered alarms.....2
 - iii. How many pump stations have operable alarms.....19
 - (b) Any chronic collection system overflows since last inspection..... N/A
 - (c) Regulatory agency notified of all overflows..... N/A
 - (d) CSOs in the collection system....if so, what is the LCTP status..... N
-
- (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..... Y
 - (j) Is any portion of the collection system at or near dry weather Capacity..... N

Comments/Status:

The Village will go out on any received flooded basement calls.

Section H: Sludge Management

- (a) Method of Sludge Disposal... Land Application
 Haul to Another NPDES Permittee
 Haul to a Mixed Solid Waste Landfill

*if one of the selected methods is land application, complete applicable charts

(b) Has amount of sludge generated changed significantly since the last

Pathogen Reduction Alternative	84370 Vector Attraction Reduction Options									
	Option 1 -38% Volatile Solids Reduction	Option 2 -Anaerobic Bench Scale Analysis	Option 3 - Aerobic Bench Scale Analysis	Option 4 - Specific Oxygen Uptake Rate	Option 5 - Aerobic Time and Temperature	Option 6 - Alkali Addition	Option 7 - >75% Percent Solids without Unstabilized	Option 8 - >75% Percent Solids with Unstabilized	Option 9 - Land Injection	Option 10 - Immediate Incorporation
Alternative 1 - Geometric Mean of Seven Fecal Samples (84369)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Aerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Air Drying (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Anaerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Composting (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Lime Treatment (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 3 - Approved Equivalent Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- inspection..... N
- (c) How much sludge storage is provided at the plant.....
- (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) 5/8" screen at headworks for facilities that land apply sludge..... N
- (g) Are sludge application sites inspected to verify compliance with NPDES permit..... Y

Comments/Status:

Craig Services is the contract sludge land applier. The Village performs field inspections and verifies isolation distances are maintained.

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):

Ultrasonic and Weir

- (b) Flow meter calibrated annually N
(Date of last calibration:)
- (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

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

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:
 - 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..... Y
- (e) Analyses being performed more frequently than required by permit. Y
- (f) If (e) is yes, are results in permittee's self-monitoring report..... Y
- (g) Satisfactory calibration and maintenance of instruments/equipment. Y (see score from GLC page)
- (h) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Metals, O&G, Nitrate + Nitrite, Phosphorus, Cyanide.

Lab name: Alloway

Discharge Monitoring Report Quality Assurance (DMRQA)

- (a) Participation in latest USEPA quality assurance performance sampling..... Y
Date: 8/2012
- (b) Were any parameters "Unsatisfactory"..... Y
- (c) Reasons for "Unsatisfactory" parameters.....

TSS was unsatisfactory. Believed to be from not using entire sample. The test was reran and came back to compliance.

Comments/Status:

The Flow meter is calibrated by comparing ultrasonic flows to flow through weir with depth markings. The flow meter is not calibrated annually by the manufacturer. The 801 upstream sampling is on the Bridge on 224. The 901 downstream location is the I-9 Bridge.

Section J: Effluent/Receiving Water Observations

Outfall # 2PD00028001

Outfall Description: Outfall observed was clear, colorless with no noticeable odor

Receiving Stream: Blanchard River

Receiving Stream Description: Stream appeared turbid with steady flow.

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

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	Facility building an earthen berm round front of plant.
	Buildings	S	
	Potable Water Supply Protection		
	Safety Features		
	Bypasses	OUT	Facility can bypass from EQ Basin
	Stormwater Overflows		
	Alternate Power Source	OUT	Generator can run entire plant
	EQ Basin	OUT	The facility has drained the basin all the way down.
Preliminary	Maintenance of Collection Systems	S	Facility looking at buying sewer camera
	Pump Station	OUT	Main pump station being repaired smaller temp pump station being used.
	Ventilation		
	Comminutor	OUT	Comminutor at Main pump station. Pump station out of service
	Grit Chamber-Hydrogritter	IN	
	Disposal of Grit	S	Land filled
Sludge Disposal	Digesters	IN	1 of 3. The aerobic digesters have been taken down, submitting PTI to change air diffuser system. Older aerobic digester is in service.
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	IN	3 RAS 2 WAS
	Drying Beds	IN	7 Units (4 sand, 3 concrete)-
	Vacuum Filter		
	Disposal of Sludge	S	Land Apply
	Sludge Polymer	IN	Cationic polymer solidifies sludge & speeds up drying process
Other	Flow Meter and Recorder	IN	
	Records	S	
	Lab Controls	S	CBOD reviewed
	Chemical Treatment	IN	Alum added after oxidation ditch
Secondary-Tertiary List items as required	Oxidation Ditch	IN	Chocolate brown - 3 of 3 IN. Outer ring to inner ring flow pattern. Floating trash observed in tanks
	Final Settling tanks	IN	2 of 2 IN clear effluent
	Skimmers Final tank	IN	
Disinfection	Effluent	S	Clear Odorless
	Disinfection System	OUT	Trojan UV system
	Effective Dosage		
	Contact Time		
	Contact Tank		

Get New Da

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PD00028*KD	March 2013	001	50092	Mercury, Total (Low Le	30D Conc	7.1	17.	3/1/2013
2PD00028*KD	March 2013	001	50092	Mercury, Total (Low Le	30D Qty	0.0000	.00007	3/1/2013