



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

Re: **Notice of Violation**
Putnam County
Ottoville WWTP
NPDES Permit

October 22, 2012

Mr. Steve Wittler
Utilities Department
P.O. Box 488
Ottoville, Ohio 45876

Dear Mr. Wittler:

On October 11, 2012, Ms. Peggy Christie and I completed an inspection at the Village of Ottoville wastewater treatment facilities. You were present and provided information concerning the operation and maintenance of the facilities.

At the time of inspection, all treatment units were in operation and the discharge from the wastewater treatment plant (WWTP) to an unnamed tributary of the Little Auglaize River was clear with no noticeable odor.

A review of the Discharge Monitoring Reports (DMRs) for April 2012 to October 2012 shows that there were total suspended solids violations in August 2012. The specific instances of non-compliance are enclosed on a separate sheet.

Our completed inspection report is enclosed. If there are any questions, please contact me at (419) 373 – 3053.

Sincerely,

Ryan Gierhart
Division of Surface Water

/jlm

Enclosures

pc: Mayor and Council

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
2PA00002	OH0021709	10/11/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Ottoville WWTP 200 Utility Drive, Ottoville, Ohio P.O. Box 488	1:00 pm	11/1/2006
	Exit Time 2:15 pm	Permit Expiration Date 10/31/2011
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Steve Wittler, Utilities Director	419-453-3147	
Name, Address and Title of Responsible Official	Phone Number	
Village of Ottoville 150 Park Drive Ottoville OH 45876	419-453-3147	

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	N	Self-Monitoring Program
S	Facility Site Review	M	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>TSS sampling method was reviewed. The balance needs to be serviced and calibrated annually by a manufacturer representative. Log books need to be maintained for the balance, drying oven, and desiccator. Temperature log needs be kept for the drying oven.</p> <p>Proper holding temperatures need to be maintained when composite sampling in the auto-sampler.</p> <p>Sludge was land applied in June. High metal level was noted for nickel for the sludge sampling. Sludge Contractor added lime into aerobic digester then metal samples were retaken and sludge was land applied.</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
Date	Date
	10/15/12

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..... N/A

Comments/Status:

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..... N/A
- (g) Has biomonitoring shown toxicity in discharge since last inspection N/A

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 to ensure that it runs. It is tested

monthly under load.

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

All major treatment components have alarms.

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

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)

Hardbound book

- (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)... N/A
 - v. Identification of person making entries..... N
- (k) Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental

Permit # : 2PD00116
NPDES #: OH0023400

agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... Y

Comments/Status:

Facility is working on the study for compliance schedule. The first milestone in the schedule is due on December 1, 2014

The plant has had an upset with foaming.

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.....0
 - ii. How many pump stations have telemetered alarms.....0
 - iii. How many pump stations have operable alarms.....3
- (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/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:

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.

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 Solids	Option 8 - >75% Percent Solids with Unstabilized Solids	Option 9 - Land Injection	Option 10 - Immediate Incorporation
Alternative 1 - Geometric Mean of Seven Fecal Samples (84369)	<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 checked="" 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"/>

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

Comments/Status:

Facility sampled metals in June and had nickel limits above max limits. Lime was added into sludge digester and sludge was resampled. Sludge was land applied in June.

Section I: Self-Monitoring Program

Flow Measurement:

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

Mag meter on influent/ eq basin flows.
- (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
 - Procedure
 - Scope and Application
 - Calculations

Permit # : 2PD00116
NPDES # : OH0023400

- Summary
- Sample Handling and Preservation
- Interferences
- Apparatus and Materials
- Reagents
- 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
- (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 (see score from GLC page)
- (h) Commercial laboratory used..... Y
Parameters analyzed by commercial lab: Metals, O&G, Nitrate + Nitrite

Lab name: Alloway

Discharge Monitoring Report Quality Assurance (DMRQA)

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

Comments/Status:

Last Calibration of Mag meter was not known. Need to check on calibration of flow meters.
Battery operated Auto-sampler is used to pull samples. Facility must ensure that proper holding temperatures are maintained during composite sampling.

TSS procedure reviewed during the inspection. Log sheets need to be maintained for equipment used.

Flow not measured for EQ basin overflow.

Section J: Effluent/Receiving Water Observations

Outfall # 2PD00016001

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

Receiving Stream: unnamed trib. to Little Auglaize River
Receiving Stream Description: Stream appeared clear 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 begi

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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	
	Safety Features	S	
	EQ basin Bypass	OUT	
	Stormwater Overflows		
	Alternate Power Source		Generator
Preliminary	Maintenance of Collection Systems		
	Pump Station	IN	3, telemetered system for raw influent, visual for collection
	Ventilation	S	
	Bar Screen	OUT	1
	Disposal of Screenings		
	Comminutor	IN	1-muffin monster, new core installed
	Grit Chamber	IN	2 chambers 1 in manually shoveled
	Disposal of Grit	S	Landfill
Primary	Equalization Basin	IN	2
	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters	IN	2 aerated digesters/ reddish brown color
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	IN	2 RAS
	Drying Beds		
	Vacuum Filter		
	Disposal of Sludge	S	Land Application
Sludge Storage	IN	Transfer sludge into larger digester	
Other	Flow Meter and Recorder	IN	Mag Meter on influent/ EQ basin feed and return EQ basin flow.
	Records	S	
	Lab Controls	M	TSS reviewed. Equipment log books needed.
	Chemical Treatment		
Secondary-Tertiary List items as	Aeration Tanks	IN	2, reddish brown color
	Aerators	IN	2, fine air bubblers
	Final Clarifiers	IN	1, some scum/suspended solids floating return sludge/skimmer operating
Disinfection	Effluent	S	clear
	Disinfection System	IN	Ultra Violet
	Effective Dosage		
	Contact Time		
	Contact Tank		
	Dechlorination		
	Post Aeration	IN	

Get New Data									
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date	
2PA00002*JD	August 2012	001	00530	Total Suspended Solids	7D Conc	18.0	23.	8/15/2012	
2PA00002*JD	August 2012	001	00530	Total Suspended Solids	7D Qty	23.13	23.2815	8/15/2012	