



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

March 28, 2013

Re: Athens County
Village of Amesville WWTPs
Compliance Evaluation Inspection
Ohio EPA Permit OPA00101*AD
Correspondence (PWW)

Mayor Gary Goosman and Village Council
Village of Amesville
P.O. Box 190
Amesville, Ohio 45711

Dear Mayor and Council Members:

On March 20, 2013, I conducted a Compliance Evaluation Inspection (CEI) at all three Amesville Wastewater Treatment Plants (WWTPs). Monte Edwards, plant operator, represented the village during the inspection.

The purpose of the inspection was to assess your compliance status with the terms and conditions of the NPDES permit, federal number OH0135208, state number OPA00101*AD. Wastewater samples were not collected. A copy of the inspection report form is attached. Based on the inspection and review of the Discharge Monitoring Report (DMR) data, the facility appeared to be in compliance on the day of the inspection.

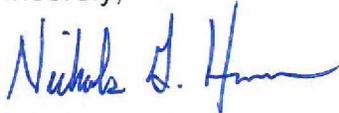
As a result of the inspection and file review, I have the following comments:

1. A review of the facility's discharge monitoring reports (DMRs) from September 2010 to present shows two limit violations for exceeding the permit limit for ammonia nitrogen at outfall 002. Mr. Edwards stated that further process monitoring will be occurring at all three plants to help determine any possible causes for the increased ammonia during June.
2. In accordance with your NPDES permit Part II, Item F, all wastewater treatment works shall be properly operated and maintained at all times. During the inspection, it was noted that the piping for the air collection system in District 1 has become disconnected from the activated carbon filter. Repair this piping within sixty (60) days to ensure all air circulating through the treatment unit is discharged through the activated carbon filter. Please notify me in writing when this repair has been completed.

3. Each district has a dedicated log book located in the control panel at each plant. Make sure the operator entering data into the log books identifies themselves every day data is recorded. A log book is also kept in the village administration building. The amount of data recorded in these log books is extensive and I recommend continued effort to keep such detailed records.
4. Ohio EPA is in the process of renewing the NPDES permit for this facility and will be issued as a draft document in the near future. The facility will have thirty (30) days to provide comments. At this time, there is no further information needed from the village for the renewal of the permit. Until the NPDES permit is renewed, continue to operate and sample under the expired permit.

If you have any questions, please contact me at (740) 380-5416 or nick.hammer@epa.ohio.gov.

Sincerely,

A handwritten signature in blue ink that reads "Nicholas G. Hammer". The signature is written in a cursive style with a large initial "N" and "H".

Nicholas G. Hammer
Environmental Specialist
Division of Surface Water

NH/dh

Enclosure

c: Monte Edwards, Plant Operator



State of Ohio Environmental Protection Agency
Southeast District Office

Municipal NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES #	Month/Day/Year	Inspection Type	Inspector	Facility Type
OPA00101*AD	OH0135208	March 20, 2013	C	S	1

Section B: Facility Data			
Name and Location of Facility Inspected		Entry Time	Permit Effective Date
Amesville WWTPs Maple Avenue, Main Street, & N. Liberty Street Amesville, Ohio 45711		9:00 a.m.	March 1, 2007
		Exit Time	Permit Expiration Date
		11:30 a.m.	February 29, 2012
Name(s) and Title(s) of On-Site Representative(s)		Phone Number(s)	
Monte Edwards, Operator of Record		(740) 886-7563	
Name, Address, and Title of Responsible Official		Phone Number	
Mayor Gary Goosman Village of Amesville P.O. Box 190 Amesville, Ohio 45711		(740) 448-4041	

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

Section D: Summary of Findings (attach additional sheets if necessary)			
See attached letter			
Inspector		Reviewer	
	3/28/13		3/28/13
Nicholas G. Hammer Division of Surface Water Southeast District Office	Date	Jennifer M. Witte Compliance & Enforcement Supervisor Division of Surface Water Southeast District Office	Date

Sections E through 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

Comments/Status:

Ohio EPA has received all required application information for renewal of NPDES permit. Ohio EPA is currently working on issuing renewal NPDES permit. No further information is needed from the facility.

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 N
- (e) Compliance schedule contained in N/A
- (f) Permittee is in compliance with schedule N/A
- (g) Has biomonitoring shown toxicity in discharge since last inspection N/A

Comments/Status:

Section G: Operation and 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 Plants
 - ii. How often is the generator tested under load

Quarterly

- (b) Which components have an alarm system available for power or equipment failures
 Y
- (c) All treatment units in service other than backup units Y
- (d) What method is used for scheduling routine and preventative maintenance (calendar, software, etc.)
 Y
- (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:

When generators are tested quarterly, record date in log book.
 The piping for the air collection system for District 1 (outfall 001), has become disconnected. Repair this line so all air circulating through the system will be discharged through the activated carbon filter.

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7) A
- (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)
- (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 N/A

Comments/Status:

Lab results are kept in the village office in binder.
 Make sure operator entering data into log books at each plant identify themselves every time data is recorded.

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
- (c) Regulatory agency notified of all overflows N/A
- (d) Are there CSOs in the collection system N

If so, what is the LTCP 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/A
- (h) Any WIB complaint received since last inspection..... N
- (i) Is there a WIB response plan..... N/A
- (j) Is any portion of the collection system at or near dry weather capacity N

Comments/Status:

All three pump stations are equipped with Audio & Visual alarms.
 Portable pumps are not on-site, however, pumps are available from several contractors.

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.

Class A – Exception Quality Sewage Sludge (monitoring station 584)

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% Solids without Unstabilized Solids	Option 8 - >75% Solids with Unstabilized Solids
Alternative 1 – Time and Temperature Regime (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"/>
Alternative 2 – High pH and High Temperature (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"/>
Alternative 3 – Other Processes (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"/>
Alternative 4 – Unknown Processes (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"/>
Alternative 5 – Composting (84397)	<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 5 – Heat Drying (84397)	<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 5 – Heat Treatment (84397)	<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 5 – Thermophilic Aerobic Digestion (84397)	<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 5 – Beta Ray Irradiation (84397)	<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 5 – Gamma Ray Irradiation (84397)	<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 5 – Pasteurization (84397)	<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 6 – 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"/>

Class B – Sewage Sludge (monitoring station 581)

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% Solids without Unstabilized Solids	Option 8 - >75% 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 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 amount of sludge generated 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/A
- (g) Are sludge application sites inspected to verify compliance with NPDES permit N/A
- (h) Is a contractor used for sludge disposal Y
 If so, what is the name of the contractor

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

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

Comments/Status:

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 (see GLC page) 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:

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 | • Procedure |
| • Scope and Application | • Calculations |
| • Summary | • Quality Control |
| • Sample Handling & Preservation | • Maintenance |
| • Interferences | • Corrective Action |
| • Apparatus and Materials | • Reference (Parent Method) |
| • Reagents | |

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 (see score from GLC page) Y
- (h) Commercial laboratory used Y
- Parameters analyzed by commercial lab: **All**
- Lab name: **Analytical Associates**

Discharge Monitoring Report Quality Assurance (DMRQA)

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

N/A

Comments/Status:

All parameters monitored are collected and analyzed by Analytical Associates in Proctorville, OH.

Section J: Effluent/Receiving Water Observations

Outfall #: **001, 002, 003**

Outfall Description: **001-Clear, no odor, 002-Clear, no odor, 003-Clear, no odor**

Receiving Stream: **001 & 003 Federal Creek, 002-unnamed tributary of Federal Creek**

Receiving Stream Description: **Federal Creek-moderate flow from recent rains.**

Comments/Status:

Section K: Multimedia Observations

- | | |
|--|---|
| (a) Are there indications of sloppy housekeeping or poor maintenance in work & 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: