



**Environmental  
Protection Agency**

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

Re: **Notice of Violation**  
Fulton County  
Village of Archbold  
NPDES Permit

April 13, 2012

Mr. Frank D'Ambrosia  
Superintendent  
Village of Archbold  
P.O. Box 406  
Archbold, Ohio 43502

Dear Mr. D'Ambrosia:

On March 26, 2012, I conducted a compliance sampling inspection of the Archbold Wastewater Treatment Plant. You and Mr. Mike Short were present and provided information concerning the operation and maintenance of the treatment facilities. The discharge to Brush Creek was clear and colorless with no noticeable odor.

A review of the Discharge Monitoring Reports (DMR) from September 2011 to March 2012 shows that there have been several permit limit violations at the facility. The specific instances of noncompliance are enclosed on a separate sheet.

Samples of the effluent were collected the day of the inspection and the results will be forwarded upon receipt. The completed compliance 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: Inspection Tracking



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
2PD00017	OH0020796	3/26/2012	S	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Archbold WWTP 515 Short Buehrer Archbold, OH 43502	1:00 pm	March 1, 2009
	Exit Time 3:00 pm	Permit Expiration Date July 31, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Frank D'Ambrosia - WWTP Superintendent Mr. Mike Short - WWTP Asst. Superintendent	(419) 445-6401	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council Village of Archbold P.O. Box 406 Archbold, OH 43502		

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)	
Facility has lowered weir to storm water eq basin to allow for more flow to be directed to the basin during lower peak flows.	
Inspector	Reviewer
 Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office	 Thomas Poffenberger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office
4-12-12 Date	4/12/12 Date

Permit # : 2PD00017  
NPDES # : OH0023400

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

Comments/Status:

No exposure certification for storm water.

**Section F: Compliance**

- (a) Any significant violations since the last inspection..... N
- (b) Appropriate Non-compliance notification of violations..... N/A
- (c) Permittee is taking actions to resolve violations..... N/A
- (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

**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.....

Dual feed to plant, portable generator can run influent pumps  
rest of the plant is gravity flow.

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

Monthly

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

All major treatment components have alarms. Auto dialer and tied into computer system.

- (c) All treatment units in service other than backup units..... N
- (d) What method is used for scheduling routine & preventative maintenance (calendar, software, etc.)..... Y  
**Computer Program**
- (e) Any major equipment breakdown since last inspection..... N
- (f) Operation and maintenance manual provided and maintained.... N
- (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. Time sheets kept for employees. Separate Maintenance log book kept.
- (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..... 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:**

Log book: Timesheets are used to keep track of arrival and departure time at plant. Plant has daily and weekly check lists and a maintenance log book for maintenance and repairs. Lab results kept on bench sheets.

**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.....6
  - ii. How many pump stations have telemetered alarms.....7
  - iii. How many pump stations have operable alarms.....7
- (b) Any chronic collection system overflows since last inspection..... N
- (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..... N
- (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:**

Follow up on complaints of WIB.

**Section H: Sludge Management**

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

Haul to a Mixed Solid Waste Landfill

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 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"/>

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

- (b) Has amount of sludge generated changed significantly since the last inspection..... Y
- (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..... Y
- (g) Are sludge application sites inspected to verify compliance with NPDES permit..... Y

**Comments/Status:**

Sludge Disposal Contracted by Stuckey Brothers. Amount of sludge has went down since last year because EQ basin was cleaned out the previous year.

**Section I: Self-Monitoring Program**

**Flow Measurement:**

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

Parshall flume with ultrasonic level
--------------------------------------
- (b) Flow meter calibrated annually ..... Y  
 (Date of last calibration: 09-11)
- (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:
 

<ul style="list-style-type: none"> <li>• Title</li> <li>• Scope and Application</li> <li>• Summary</li> <li>• Sample Handling and Preservation</li> <li>• Interferences</li> <li>• Apparatus and Materials</li> <li>• Reagents</li> </ul>	<ul style="list-style-type: none"> <li>• Procedure</li> <li>• Calculations</li> <li>• Quality Control</li> <li>• Maintenance</li> <li>• Corrective Action</li> <li>• Reference (Parent Method)</li> </ul>
---	---

*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. 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, Priority pollutants and Toxicity

Lab name: Jones and Henry, Alloway

*Discharge Monitoring Report Quality Assurance (DMRQA)*

- (a) Participation in latest USEPA quality assurance performance sampling..... Y  
Date: 4/2011
- (b) Were any parameters "Unsatisfactory"..... N
- (c) Reasons for "Unsatisfactory" parameters.....

**Comments/Status:**

Water treatment plant lab does Quanti tray Ecoli sampling for the facility.

**Section J: Effluent/Receiving Water Observations**

Outfall # 2PD00016001

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

Receiving Stream: Brush Creek

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



Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PD00017*KD	October 2011	002	80082	CBOD 5 day	7D Qty	142	178.660	10/15/2011
2PD00017*KD	October 2011	002	00530	Total Suspended Solids	7D Qty	350	377.181	10/15/2011
2PD00017*KD	January 2012	002	00552	Oil and Grease, Hexane	1D Conc	10.0	41.6	1/18/2012
2PD00017*KD	February 2012	002	00530	Total Suspended Solids	30D Conc	24.6	26.4444	2/1/2012