



Environmental  
Protection Agency

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

June 13, 2012

Brent C. Hayes, Plant Superintendent  
Stoutsville WWTP  
P.O. Box 151  
Circleville, OH 43113

**Re: Stoutsville WWTP  
NPDES Permit 4PB00109/ OH0136221  
Compliance Evaluation Inspection  
Fairfield County**

Dear Mr. Hayes:

On February 23, 2012, a Compliance Evaluation Inspection was conducted at the Stoutsville WWTP. Present for the inspection were you, the Operator of Record, and myself of the Ohio EPA, Central District Office, Division of Surface Water. The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant.

**Findings:**

1. Attached are compliance tables and flow rates between September 2010 and May 2012. The facility has largely been compliant with effluent limits and the average flow has been 0.74 MGD compared with a design rate of 0.125 MGD.

There have also been reported sanitary sewer overflow (SSO) events. The facility is videoing and smoke testing the sanitary sewers and has also made changes with software, such as running the pumps from the EQ tanks more frequently during high flows, to reduce SSOs. The SSOs are isolated to the area in front of the plant. The last SSO occurred on December 5, 2011.

At this time, the Earnhart Hill Regional Water and Sewer District is making adequate process at addressing any inflow and infiltration issues.

2. A question was asked regarding whether the ultra-violet disinfection unit should be used during the disinfection season (May – October). The last inspection report dated September 15, 2010, required disinfection. **Please use the UV disinfection unit although it is possible to use it at a reduced intensity.**
3. At the time of the inspection, everything appeared to be operating well and the effluent was clear and non-odorous.

Brent C. Hayes, Plant Superintendent  
Stoutsville WWTP  
Page 2

Attached is the inspection checklist. I apologize for the delay in providing written correspondence. If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at [cole.miller@epa.ohio.gov](mailto:cole.miller@epa.ohio.gov).

Sincerely,

A handwritten signature in black ink that reads "Cole Miller". The signature is written in a cursive style with a large initial "C" and "M".

Cole Miller  
Environmental Specialist  
Field Operations Unit  
Division of Surface Water  
Central District Office

ec: Cole Miller

CM/nsm 2-23-2012

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00109	OH0136221	CEI	S	2
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
2/23/2012	11:00 AM	11:40 AM	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Stoutsville WWTP	11/1/2010
	Permit Expiration Date
	10/31/2015
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Brent C. Hayes	
Name and Title of Responsible Official	Phone Number
Brent C. Hayes, Plant Superintendent	(740) 474-3114

SECTION C: AREAS EVALUATED DURING INSPECTION

Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated

S	NPDES Compliance	
S	Operations & Maintenance	
S	Facility Site Review	
S*	Collection System	I&I work is being investigated
S	Flow Measurement	
S	Receiving Waters	
S	Laboratory	

Comments:

Signatures

 6/7/12	 6/8/12
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office

## Compliance Data for Stoutsville WWTP between 9/1/2010 to 5/1/2012

### Summary

Permit Effluent Limit Violations: 17

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Violations: 0

Reported SSO Events: 5

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2010	001	Total Suspended Solids	30D Conc	12	36	10/1/2010
October 2010	001	Total Suspended Solids	30D Qty	5.68	6.29001	10/1/2010
October 2010	001	Total Suspended Solids	7D Conc	18	57.	10/8/2010
October 2010	001	Total Suspended Solids	7D Qty	8.52	9.53063	10/8/2010
October 2010	001	Total Suspended Solids	7D Conc	18	66.	10/15/2010
October 2010	001	Total Suspended Solids	7D Qty	8.52	11.4912	10/15/2010
November 2010	001	pH	1D Conc	6.5	6.	11/29/2010
November 2010	001	pH	1D Conc	9.0	9.15	11/30/2010
February 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.9	3.75	2/1/2011
February 2011	001	Nitrogen, Ammonia (NH3)	30D Qty	0.899	1.32854	2/1/2011
February 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.9	3.5	2/8/2011
February 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.9	4.	2/22/2011
February 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	1.38	1.75624	2/22/2011
November 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.9	2.83333	11/1/2011
November 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.9	6.1	11/15/2011
November 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	1.38	1.75473	11/15/2011
February 2012	001	Dissolved Oxygen	1D Conc	6.0	5.29	2/24/2012

Stoutsville WWTP SSO Events	Units	Date	Reported Value
Overflow Occurrence	No./Month	4/13/2011	8000
Overflow Occurrence	No./Month	5/19/2011	1
Overflow Occurrence	No./Month	5/25/2011	1
Overflow Occurrence	No./Month	6/26/2011	1
Overflow Occurrence	No./Month	8/27/2011	0.029
Overflow Occurrence	No./Month	11/22/2011	0.013

Flow Data for Stoutsville WWTP between 9/1/2010 and 2/1/2012

	Date	Flows (MGD)
Ten Highest Flows	1/27/2012	0.146
	11/29/2011	0.142
	12/6/2011	0.140
	11/28/2011	0.134
	11/23/2011	0.126
	11/22/2011	0.122
	5/13/2011	0.118
	5/18/2011	0.118
	11/26/2010	0.117
	2/25/2011	0.117
<b>Average Flow Rate</b>		0.074

**SECTION D: PERMIT VERIFICATION**

- (a) Correct name and mailing address of permittee ..... Y
- (b) Correct name and location of receiving waters ..... Y
- (c) Products and production rates conform with permit application ..... Y
- (d) Flows and loadings conform with NPDES permit ..... Y
- (e) Treatment processes are as described in permit application ..... Y
- (f) New treatment process added since last inspection ..... N
- (g) Notification given to State of new, different or increased discharges ..... N/A
- (h) All discharges are permitted ..... Y
- (i) Number and location of discharge points are as described in permit ..... Y

Comments:

**SECTION E: COMPLIANCE**

- (a) Any significant violations since the last inspection ..... N
- (b) Permittee is taking actions to resolve violations ..... Y
- (c) Permittee has a compliance schedule ..... N
- (d) Permittee is meeting compliance schedule ..... N/A

Comments:

**SECTION F: OPERATION AND MAINTENANCE**

- (a) Standby power available ..... Y  
If yes, what type? Generator standby
- (b) Adequate alarm system available for power or equipment failures ..... Y
- (c) All treatment units in service other than backup units ..... Y
- (d) Wastewater Treatment Works classification ..... I
- (e) Operator of Record holds unexpired license of class required by Permit  
Class held: II
- (f) Copy of certificate of Operator of Record displayed on-site ..... N/A
- (g) Minimum operator staffing requirements fulfilled ..... Y
- (h) Routine and preventative maintenance scheduled and performed ..... Y
- (i) Any major equipment breakdown since last inspection ..... N
- (j) Operation and maintenance manual provided and maintained ..... Y
- (k) Any plant bypasses since last inspection ..... N
- (l) Regulatory agency notified of bypasses ..... Y  
By MOR  and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic or organic overloads since last inspection ..... N

Comments:

**SECTION G: RECORD KEEPING**

- a) Log book provided ..... Y
- b) Format of log book (i.e. computer log, hard bound book)  
**Computer log**
- c) Log book(s) kept onsite in an area protected from weather..... Y\*
- d) 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 operation and maintenance activities (including preventative maintenance, repairs and request for repairs) ..... Y
  - iv) Laboratory results (unless documented on **bench sheets**)..... N/A
  - v) Identification of person making log entries ..... Y
- e) Has the Operator of Record submitted written notification to the permittee, Ohio EPA and any applicable local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred?.... Y

Comments: There is also backup hard-drive for log book

**SECTION H: COLLECTION SYSTEM**

- a) Percent combined system: ..... 0
- b) Any collection system overflows since last inspection ..... Y  
 CSO  SSO X
- c) Regulatory agency notified of overflows ..... Y
- d) CSO O&M plan provided and implemented..... N/A
- e) CSOs monitored and reported in accordance with permit ..... N/A
- f) Portable pumps are used to relieve system..... N
- g) Lift station alarms provided and maintained ..... Y\*
- h) Lift stations equipped with permanent standby power or equivalent ..... Y\*
- i) Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection..... N\*
- j) Any complaints received since last inspection of basement flooding ..... N
- k) Are any portions of the sewer system at or near capacity ..... N
- l) Are operations changed during high-flow events?..... N

Comments:

- SCADA is used for lift station alarms.
- Two of the lift statings are getting standby generators.

**SECTION I: SLUDGE MANAGEMENT**

- a) Sludge management plan (SMP) last audited by Ohio EPA:..... N/E  
Audit Date:
- b) Sludge adequately disposed ..... Y  
Method: Contracted
- c) If sludge is incinerated, where is ash disposed of ..... N/A
- d) Is sludge disposal contracted ..... Y  
Name: Carl Wheeler
- e) Has amount of sludge generated changed significantly ..... N
- f) Adequate sludge storage provided at plant ..... Y
- g) Records kept in accordance with State and Federal law..... Y
- h) Any complaints received last year regarding sludge ..... N
- i) Is sludge adequately processed (digestion, pathogen control)..... N/E

Comments:

**SECTION J: SELF-MONITORING PROGRAM**

- a) Primary flow measuring device operated and maintained ..... Y  
Type of device: Magmeter Device location: Before UV
- b) Calibration frequency adequate..... N/E  
Date of last calibration:
- c) Secondary instruments operated and maintained ..... Y
- d) Flow measurements equipment adequate to handle full range of flows .... Y
- e) Actual flow discharged is measured ..... Y
- f) Flow measuring equipment inspection frequency N/E
- g) Sampling location(s) are as specified by permit ..... Y
- h) Parameters and sampling frequency agree with permit..... Y
- i) 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:

**SECTION K. Laboratory**

- a) EPA applicable analytical testing procedures used (40 CFR 136.3) ..... Y
- b) If alternate procedures are used, are they properly approved? ..... N
- c) Analysis performed more frequency ..... N  
     If yes, are results recorded in permittee's report? ..... N/A
- d) Commercial laboratory used: ..... Y  
     Name: MASI  
     Parameters analyzed: Everything but DO, pH, Temperature, CBOD, and TSS
- e) Quality assurance manual provided and maintained ..... Y
- f) Calibration and maintenance of instruments is satisfactory? ..... N/E
- g) Results of last U.S. EPA quality assurance ..... N/A  
     Date:

Comments:

**SECTION L. EFFLUENT/RECEIVING WATER OBSERVATIONS**

Outfall Number	Outfall sign in place	Oil Sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	*	*	*	*	*	*	*	

Comments: The outfall was not investigated but the treated effluent from the facility was clear and non-odorous.

**SECTION M: 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: