



Environmental
Protection Agency

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

May 29, 2012

Lin Hensley, Village Administrator
Richwood WWTP
153 N. Franklin Street
Richwood, OH 43344

Re: **Richwood WWTP**
NPDES Permit 4PB00018/ OH0027260
Compliance Evaluation Inspection
Union County

Dear Mr. Hensley:

On May 22, 2012, a Compliance Evaluation Inspection was conducted at the Richwood WWTP. Present for the inspection were you, the Village Administrator, John Grosse, engineering consultant, 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 between March 2011 and May 2012. The most frequent types of violations are loading violations which are reflected in flows peaking at six times the design rate of 0.38 MGD.

You recently obtained a grant for sewer line repair work. Of the parts of town which had been smoke tested, the village will slip line a 600-700 feet portion of the sewers and sealing the manholes of the area. The village will also smoke test the west side of town this year to determine problems. Additionally, the village will investigate the feasibility of storm sewers.

The permit will be renewed on August 31, 2013. If loading violations continue to occur, I may recommend placing an inflow and infiltration reduction schedule with the permit's compliance schedule.

2. An operator of record is required by the permit. It is my understanding that John Grosse is the Operator of Record. **Please submit an Operator of Record notification form confirming.** The following is a link to the form

[http://epa.ohio.gov/portals/28/documents/opcert/Operator of Record Notification Form.pdf](http://epa.ohio.gov/portals/28/documents/opcert/Operator%20of%20Record%20Notification%20Form.pdf)

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3. A marker was required to be in place by December 1, 2008. No marker has been installed. **Please install an outfall marker and notify me via e-mail.**
4. During the inspection, the plant appeared to be running well and the effluent was clear and without odor.

Attached is the inspection checklist. **A response is requested to address the installation of the marker.** 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.

Sincerely,

Handwritten signature of Cole Miller in cursive script.

Cole Miller
Environmental Specialist
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Cole Miller

CM/nsm 5-22-12 Richwood CEI

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00018	OH0027260	CEI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
5/22/2012	10:00 AM	11:00 AM	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Richwood WWTP 302 S. Franklin Street Richwood, OH 43344	8/1/2008
	Permit Expiration Date
	7/31/2013
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
John Grosse, Operator	
Name and Title of Responsible Official	Phone Number
Lin Hensley, Village Administrator	(740) 943-3315

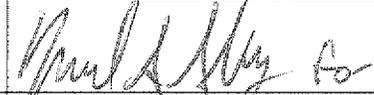
SECTION C: AREAS EVALUATED DURING INSPECTION

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

M	NPDES Compliance	Outfall marker must be installed. Operator of record form must be submitted
S	Operations & Maintenance	
S	Facility Site Review	
M	Collection System	I&I appears to contribute to loading violations
S	Flow Measurement	
S	Receiving Waters	
S	Laboratory	

Comments:

Signatures

	5/24/12		5/25/12
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office	Date

Compliance Data for Richwood WWTP between 3/1/2011 to 5/1/2012

Summary

Permit Effluent Limit Violations: 12

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Violations: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2011	001	CBOD 5 day	30D Qty	14	20.3576	3/1/2011
March 2011	001	CBOD 5 day	7D Qty	22	29.7709	3/1/2011
March 2011	001	CBOD 5 day	7D Qty	22	38.6278	3/8/2011
May 2011	001	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.75	5/1/2011
May 2011	001	Nitrogen, Ammonia (NH3	30D Qty	1.4	3.43673	5/1/2011
May 2011	001	Nitrogen, Ammonia (NH3	7D Qty	2.2	10.2588	5/1/2011
May 2011	001	Nitrogen, Ammonia (NH3	7D Qty	2.2	2.59216	5/22/2011
September 2011	001	Fecal Coliform	7D Conc	2000	2213.59	9/1/2011
December 2011	001	Nitrogen, Ammonia (NH3	30D Qty	4.3	6.50282	12/1/2011
December 2011	001	Nitrogen, Ammonia (NH3	7D Qty	6.5	8.73862	12/1/2011
December 2011	001	Nitrogen, Ammonia (NH3	7D Qty	6.5	17.2726	12/15/2011
December 2011	001	CBOD 5 day	7D Qty	22	27.6967	12/15/2011

Flow Data for Richwood WWTP between 3/1/2011 and 5/1/2012

	Date	Flows (MGD)
Ten Highest Flows	3/5/2011	2.433
	12/6/2011	2.177
	5/3/2011	1.970
	4/25/2011	1.910
	5/26/2011	1.786
	12/5/2011	1.688
	1/27/2012	1.674
	11/29/2011	1.606
	5/2/2011	1.563
	3/6/2011	1.532
Average Flow Rate		0.444

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 N/A
- (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 Diesel
- (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 III
- (e) Operator of Record holds unexpired license of class required by Permit .. Y
Class held: III
- (f) Copy of certificate of Operator of Record displayed on-site N
- (g) Minimum operator staffing requirements fulfilled N/A
- (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 N/A
By MOR and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic or organic overloads since last inspection ~~Y~~ *Y*

Comments: Visual alarms provided.

SECTION G: RECORD KEEPING

- a) Log book provided Y
- b) Format of log book (i.e. computer log, hard bound book)
Hard bound book
- 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) Y
 - 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?.... N/A

Comments:

SECTION H: COLLECTION SYSTEM

- a) Percent combined system: 0
- b) Any collection system overflows since last inspection N
 CSO SSO
- c) Regulatory agency notified of overflows N/A
- 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 Y
- 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? Y

Comments: See cover page for findings relating to inflow and infiltration.

Blowers are turned off during high-flow events.

SECTION I: SLUDGE MANAGEMENT

- a) Sludge management plan (SMP) last audited by Ohio EPA:..... N/A
 Audit Date:
- b) Sludge adequately disposed Y
 Method: Landfill
- c) If sludge is incinerated, where is ash disposed of N/A
- d) Is sludge disposal contracted N/A
 Name:
- 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 N/E
- h) Any complaints received last year regarding sludge N
- i) Is sludge adequately processed (digestion, pathogen control)..... N/A

Comments: Sludge drying beds are used to process sludge before taking dried sludge to the landfill.

SECTION J: SELF-MONITORING PROGRAM

- a) Primary flow measuring device operated and maintained Y
 Type of device: Ultrasonic Device location: Influent/Effluent
- b) Calibration frequency adequate..... Y
 Date of last calibration: 1/25/12
- 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 Annually
- 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/A
- c) Analysis performed more frequency N
 If yes, are results recorded in permittee's report?
- d) Commercial laboratory used:
 Name: MASI
 Parameters analyzed: CBOD, NH3, Fecal, metals
- e) Quality assurance manual provided and maintained N/E
- f) Calibration and maintenance of instruments is satisfactory? Y
- 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	No	No	No	No	No	No	Clear	

Comments:

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: