



John R. Kasich, Governor
Bryan Taylor, Lt. Governor
David J. Holtz, Director

May 17, 2013

Mr. Bryan Yoder, Superintendent
Utica WWTP
PO Box 524
Utica, OH 43080

**Re: Utica WWTP
NPDES Permit 4PB00022/ OH0027898
Compliance Evaluation Inspection
Licking County**

Dear Mr. Yoder:

On May 13, 2013, a Compliance Evaluation Inspection was conducted at the Utica WWTP. Present for the inspection were you and Glen Richards, representing the Village of Utica 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. Please note the comments (and required responses from the Village) in the attached inspection report. If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3854 or e-mail at paul.vandermeer@epa.state.oh.us.

Sincerely,

Paul L. Vandermeer
Environmental Specialist II
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Paul Vandermeer

PLV/hsm Utica 2013

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00022	OH0027898	CE!	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
5/13/2013	9:30 am	11:00 am	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Utica WWTP 418 Blacksnake Road Utica, OH	8/1/2007
	Permit Expiration Date
	7/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Bryan Yoder, Superintendent	(740) 892-3657
Name and Title of Responsible Official	Phone Number
Glen Richards, Village Administrator	(740) 892-2696

SECTION C: AREAS EVALUATED DURING INSPECTION

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

S	NPDES Compliance	Single violation for ammonia.
S	Operations & Maintenance	Improved operations due to new equipment.
S	Facility Site Review	New disinfection system and flow control for EQ basin. Concrete deterioration on digesters.
M	Collection System	Inflow and infiltration problematic, but not causing violations as yet. Plan needed.
S	Flow Measurement	New flow measuring device providing more accurate data.
S	Receiving Waters	
S	Laboratory	

Comments:

Signatures

 5/14/13	 5/14/13
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water District Office

Compliance Data for Utica WWTP between 1/1/2012 to 4/1/2013

Summary

Permit Effluent Limit Violations: 1
 Permit Effluent Code Violations: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 0

Limit Violations						
Period	Site No.	Parameter	Limit	Value	Exceedance	Date
October 2012	001	Nitrogen, ammonia (NH3)	7D Conc	6.0	7.7	10/2/2012

Flow Data for Utica WWTP between 1/1/2012 and 5/1/2013

	Date	Flows (MGD)
Ten Highest Flows	1/27/2012	1.021
	3/16/2012	0.949
	1/28/2012	0.900
	3/15/2012	0.890
	3/17/2012	0.877
	1/26/2012	0.834
	1/23/2012	0.818
	5/8/2012	0.784
	1/17/2012	0.777
	3/19/2013	0.750
Average Flow Rate		0.330

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 Y^
- (g) Notification given to State of new, different or increased discharges NA
- (h) All discharges are permitted Y
- (i) Number and location of discharge points are as described in permit Y**

Comments: **Inflow and infiltration problematic (see Section H below). ^New UV disinfection operational, also new flow metering and control gate for EQ basin. **Outfall 003 was eliminated during construction of new control gate for the EQ basin.*

SECTION E: COMPLIANCE

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

Comments:

SECTION F: OPERATION AND MAINTENANCE

- (a) Standby power available Y
If yes, what type? *Diesel generator*
- (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 II
- (e) Operator of Record holds unexpired license of class required by Permit... Y
Class held: II
- (f) Copy of certificate of Operator of Record displayed on-site Y
- (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 NA
By MOR and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic or organic overloads since last inspection Y*

Comments: **Rain events produce increased flow, but the plant does not seem to be adversely affected during an average rain event. This might not hold true for a significant storm. See also Section I below.*

SECTION G: RECORD KEEPING

- a) Log book provided Y
- b) Format of log book *computer*
- 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? ... Y

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 NA
- d) CSO O&M plan provided and implemented NA
- e) CSOs monitored and reported in accordance with permit..... NA
- f) Portable pumps are used to relieve system NA
- 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: **Inflow and/or infiltration are problematic and cause a significant increase in flow to the WWTP during precipitation events. The Village shall evaluate this situation and provide a plan of action to address the problems to Paul Vandermeer by December 31, 2013. ^Rotors on the oxidation ditches are turned off to prevent solids loss if flows become inordinate.*

SECTION I: SLUDGE MANAGEMENT

- a) Sludge adequately disposed..... Y
 Method: *Land application*
- b) If sludge is incinerated, where is ash disposed of..... NA
- c) Is sludge disposal contracted..... Y
 Name: *Burch Hydro*
- d) Has amount of sludge generated changed significantly..... N
- e) Adequate sludge storage provided at plant..... Y*
- f) Records kept in accordance with State and Federal law Y
- g) Any complaints received last year regarding sludge..... N
- h) Is sludge adequately processed (digestion, pathogen control) Y

Comments: **The concrete catwalks serving the aerobic digesters are seriously deteriorated and in danger of falling into the tanks. The Village shall assess the situation and present a plan to Paul Vandermeer to stabilize or remove the catwalks by August 30, 2013.*

01 NJ SELF-MONITORING REPORT GRAM

- a) Primary flow measuring device operated and maintained..... Y
Type of device: *Magmeter* Device location: *Effluent manhole*
- b) Calibration frequency adequate Y
Date of last calibration: *3/1/13*
- 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 *Daily*
- g) Sampling location(s) are as specified by permit..... Y*
- h) Parameters and sampling frequency agree with permit.....
- 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).....

Comments: **Not specified in the permit. Sampling performed following UV disinfection in "UV pit", prior to flow measurement and discharge to the stream.*

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? NA
- c) Analysis performed more frequency N
If yes, are results recorded in permittee's report? NA
- d) Commercial laboratory used:
Name: *MASI Laboratory*
Parameters analyzed: *metals, NH₃, oil & grease, NO₃, bacteria*
- e) Quality assurance manual provided and maintained Y*
- f) Calibration and maintenance of instruments is satisfactory? N^

Comments: **Standard Methods used exclusively. ^Balance needs calibration. This shall be performed by June 14, 2013 with proof sent via e-mail to Paul Vandermeer by that date. Sample storage refrigerator needs a thermometer. All thermometers (refrigerators, ovens, and incubators) must be checked on a daily basis with the temperature recorded in a logbook for each unit. pH and D.O. meter calibrations OK.*

SECTION L: EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall Number	Outfall sign in place	Oil Sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	Yes	No	No	No	No	No	Clear	
002	Yes							No flow
003	<i>Eliminated</i>							

Comments: