



Environmental
Protection Agency

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

May 16, 2012

Mr. Nathan Coey, Director of Utilities
621 W. Broad Street
Suite 1-D
Pataskala, OH 43062

**Re: Pataskala WWTP
NPDES Permit 4PB00009/ OH0020273
Compliance Evaluation Inspection
Licking County**

Dear Mr. Coey:

On May 10, 2012, a Compliance Evaluation Inspection was conducted at the Pataskala WWTP. Present for the inspection were Stephen Kill and Tim Boland of the City of Pataskala 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. The following items were noted during the inspection:

- The facility shall provide calibration records for the effluent flow measurement equipment to Paul Vandermeer by June 8, 2012.

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.ohio.gov.

Sincerely,

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

c: File Copy
Mr. Stephen Kill, Superintendent, Pataskala WWTP

ec: Paul L. Vandermeer

PLV/nsm Pataskala WWTP

Central District Office
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

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NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING

Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PB00009	OH0020273	CEI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
5/10/2012	9:00 AM	10:05 AM	No	No

SECTION B: FACILITY DATA

Name and Location of Facility Inspected	Permit Effective Date
Pataskala WWTP 388 Shawnee Loop S. Pataskala, OH 43062	4/1/2009
	Permit Expiration Date
	3/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Stephen Kill, Superintendent	(740) 554-3649 (Cell) (740) 927-7739 (WWTP)
Name and Title of Responsible Official	Phone Number
Nathan Coey, Director of Utilities	(740) 927-4134

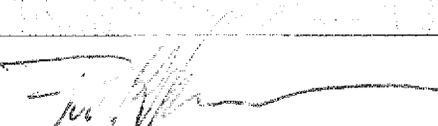
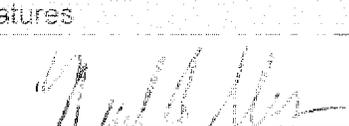
SECTION C: AREAS EVALUATED DURING INSPECTION

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

S	NPDES Compliance	Violations have ceased since plant was upgraded.
S	Operations & Maintenance	
S	Facility Site Review	
S*	Collection System	Some I&I, but the city is proactive in repairing and replacing infrastructure.
N	Flow Measurement	Facility shall provide a copy of the last calibration record for the effluent flow metering equipment.
S	Receiving Waters	
S	Laboratory	

Comments: *SSO events have been satisfactorily addressed as well.

Signatures

	5/16/12		5/16/12
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Mike Gallaway, Reviewer Section Manager Division of Surface Water Central District Office	Date

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

Summary

Permit Effluent Limit Violations: 32
 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	Total Suspended Solids	7D Qty	74.9	77.5786	3/1/2011
June 2011	001	Oil and Grease, Hexane	1D Conc	10	58.7	6/24/2011
July 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.3	1.53738	7/1/2011
July 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.68667	7/22/2011
August 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.3	2.49143	8/1/2011
August 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	3.00333	8/1/2011
August 2011	001	Nitrogen, Ammonia (NH3)	30D Qty	5.4	5.86788	8/1/2011
August 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	3.77	8/22/2011
September 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.3	6.73167	9/1/2011
September 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	7.93	9/1/2011
September 2011	001	Nitrogen, Ammonia (NH3)	30D Qty	5.4	16.4051	9/1/2011
September 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	9.6	19.9088	9/1/2011
September 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	18.8	9/15/2011
September 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	9.6	45.2120	9/15/2011
September 2011	001	CBOD 5 day	7D Conc	15	21.	9/15/2011
October 2011	001	Total Suspended Solids	30D Conc	12	13.4166	10/1/2011
October 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	1.3	11.2483	10/1/2011
October 2011	001	Nitrogen, Ammonia (NH3)	30D Qty	5.4	32.1049	10/1/2011
October 2011	001	CBOD 5 day	30D Conc	10	16.0916	10/1/2011
October 2011	001	CBOD 5 day	30D Qty	41.6	46.3830	10/1/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	15.0366	10/8/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	9.6	39.6868	10/8/2011
October 2011	001	CBOD 5 day	7D Conc	15	18.6666	10/8/2011
October 2011	001	Total Suspended Solids	7D Conc	18	28.6666	10/15/2011
October 2011	001	Total Suspended Solids	7D Qty	74.9	90.7960	10/15/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	24.8333	10/15/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	9.6	75.1020	10/15/2011
October 2011	001	Fecal Coliform	7D Conc	2000	2314.58	10/15/2011
October 2011	001	CBOD 5 day	7D Conc	15	42.	10/15/2011
October 2011	001	CBOD 5 day	7D Qty	62.5	129.033	10/15/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	2.3	4.10333	10/22/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Qty	9.6	11.3536	10/22/2011

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

	Date	Flows (MGD)
Ten Highest Flows	3/2/2011	1.956
	1/27/2012	1.950
	1/28/2012	1.910
	12/6/2011	1.806
	3/7/2011	1.648
	3/3/2011	1.637
	3/6/2011	1.618
	3/11/2011	1.588
	3/5/2011	1.579
	10/21/2011	1.567
Average Flow Rate		0.793

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 Y
- (h) All discharges are permitted..... Y
- (i) Number and location of discharge points are as described in permit..... Y

Comments: *Plant upgrade completed with new aerobic digesters, fine screens, blowers, variable speed motors for oxidation ditch rotors, wider connections between oxidation ditch channels, and additional UV disinfection capacity.

SECTION E: COMPLIANCE

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

Comments: *Plant upgrade has been completed. No permit effluent violations have occurred since the upgrade.

SECTION F: OPERATION AND MAINTENANCE

- (a) Standby power available Y
 If yes, what type? *Diesel generator powers entire WWTP*
- (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 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 manuals 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 N

Comments:

SECTION G: RECORD KEEPING

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

Comments: *dissolved oxygen, temperature, pH, operational testing

SECTION H: COLLECTION SYSTEM

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

- 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..... 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..... Y#
- k) Are any portions of the sewer system at or near capacity..... N&
- l) Are operations changed during high-flow events?..... N

Comments: *SCADA system provides notification. **3 have permanent standby power, 2 require use of a portable generator. ^City has projects ongoing to rehabilitate or replace manholes and sewers. #Basement flooding has been addressed satisfactorily by the City. &Sewers that are near capacity are presently undergoing replacement.

Oaks Subdivision sewer main installation completed. Individual residences are in the process of installing lateral pipes to connect with city sewer main.

SECTION I: SLUDGE MANAGEMENT

- a) Sludge adequately disposed..... Y*
Method: *Landfill*
- b) If sludge is incinerated, where is ash disposed of..... NA
- c) Is sludge disposal contracted..... Y
Name: *Agri-Sludge*
- 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: *Dewatered sludge storage beds were nearly full.

SECTION J: SELF-MONITORING PROGRAM

- a) Primary flow measuring device operated and maintained..... Y
Type of device: *Parshall flume, ultrasonic* Device location: *after disinfection*
- b) Calibration frequency adequate..... NE*
Date of last calibration: *City will provide certificate*
- 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 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: *The City shall submit a copy of the certificate of calibration to Paul Vandermeer via e-mail.

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 Y
If yes, are results recorded in permittee's report? Y
- d) Commercial laboratory used:
Name: *Alloway*
Parameters analyzed: *All but pH, dissolved oxygen, and temperature*
- e) Quality assurance manual provided and maintained Y
- f) Calibration and maintenance of instruments is satisfactory? Y

Comments:

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	

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

Comments: