



Environmental
Protection Agency

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

April 2, 2012

Mayor and Council
City of Urbana
205 South Main Street
Urbana, Ohio 43078

RE: City of Urbana Water Treatment Plant Reconnaissance Inspection

Dear Mayor and Council:

On March 14, 2012, Joe Reynolds, Ohio EPA Southwest District Office, conducted a Reconnaissance Inspection at the City of Urbana water treatment plant, 2047 State Route 29, Urbana.

The inspection was conducted as part of the National Pollutant Discharge Elimination System (NPDES) permit renewal process for the City. The findings from the inspection are included in the attached report. The report includes two items that require a response. Please provide a written response by the dates noted.

If you have any questions regarding the report, please contact Mr. Joe Reynolds at (937) 285-6097.

Sincerely,

Martyn Burt
Compliance Supervisor
Division of Surface Water

MB/bjc

Enclosure

cc: Robert Munch, Plant Operator



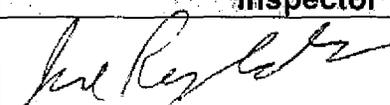
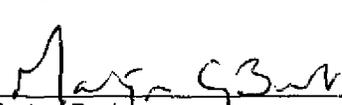
State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
11Y00300*AD	OH0137618	3/14/2012	R	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
City of Urbana WTP 2047 State Route 29 Champaign County	9:30 AM	8/1/2007
	Exit Time	Permit Expiration Date
	10:20 AM	7/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Robert Munch, Operator of Record	(937) 869 - 0730	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council City of Urbana 205 South Main Street Urbana, Ohio 43078	(937) 652 - 4300	

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	N	Laboratory	N	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See attached report.	
Inspector	Reviewer
 Joe Reynolds Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
3/28/12 Date	4/2/12 Date

City of Urbana Water Treatment Plant Inspection Findings

On March 14, 2012 a Reconnaissance inspection was conducted at the City of Urbana water treatment plant. The system is located at 2047 State Route 29, Urbana. The inspection was conducted as part of the National Pollutant Discharge Elimination System (NPDES) permit renewal process.

NPDES permit number 11Y00300*AD was issued to the city on August 1, 2007. This permit expires on July 31, 2012. An NPDES permit renewal application was submitted on December 22, 2011.

The filter backwash treatment system includes two slow surface sand filters each designed to treat 144,000 gallons per day. From the filters a pump station is used to pump effluent to the final outfall. Final effluent travels through a cascade aeration system prior to discharge to the Mad River. Sanitary waste, lab waste, and floor drain water is discharged to two holding tanks (5,600 gallons total). This waste is hauled to the City of Urbana waste water treatment plant.

The filters are backwashed twice per week. Approximately 60,000 gallons is discharged with each backwash. Both filters are flooded during the backwash process. Typically the filters will drain within three hours. Residual solids were noted on both filters. Solids are removed on a periodic basis, dependent upon filter performance.

One of the final effluent pumps (300 gpm each) was down for maintenance.

The waste holding tank is pump approximately every three weeks. This waste is hauled to the City of Urbana waste water treatment plant. The tank has a high water alarm tied to the city's System Control and Data Acquisition (SCADA) system. Signs identifying the tanks and providing contact information were located by both tanks.

As part of the holding tanks operation the city will need to develop an operation and maintenance plan. This plan at a minimum should contain all of the following:

- (i) A schedule for emptying the waste from the tank and hauling the waste for recycling, treatment or disposal;
- (ii) Measures for spill control;
- (iii) Standard operating procedures for filling, operating, and emptying the Tank; and
- (iv) As applicable, a plan for the operation and maintenance of all alarm and odor control equipment.

City of Urbana Water Treatment Plant Inspection Findings (cont.)

As part of the Record keeping requirements for the holding tanks the following records should be maintained at the facility:

- (1) Holding tank construction and installation records, including a copy of the approved permit to install, until the holding tank is decommissioned.
- (2) If applicable, a copy of the effective holding tank management plan;
- (3) Operating records for holding tanks for a period of three years. The records shall include, at a minimum:
 - (a) Each date that the sewage or industrial waste was hauled;
 - (b) The volume and description of each source of sewage or industrial waste;
 - (c) The name and address of the receiving facility;
 - (d) The name of the hauler and confirmation that the hauler is licensed through a local health department to haul wastes; and
 - (e) As applicable, documentation from the receiving facility that it has received the sewage or industrial waste from each hauling event.

As part of the National Pollutant Discharge Elimination System (NPDES) permit renewal the city will be required to post a permanent marker at the outfall. The marker shall consist at a minimum of the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The marker shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that. When an existing marker is replaced or reset, the new marker shall comply with the requirements of this section.

City of Urbana Water Treatment Plant Inspection Findings (cont.)

At the time of the inspection there was no final effluent flow (no filter backwash). The final outfall channel was clear of solids deposits and debris. No solids deposits were observed in the Mad River at the outfall.

Between January, 2008 and February, 2012 the city reported no final effluent limitations violations. During this same time period there were 44 flow frequency violations (January, 2009 – 23 violations, and February, 2009 – 21 violations).

Items Requiring a Response

1. A written update detailing the status of the final effluent pump station pump repair must be submitted to this office by no later than May 14, 2012.
2. Copy of the city's holding tank Operation and Maintenance plan must be submitted to this office by no later than May 14, 2012.