



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

July 11, 2013

RE: VILLAGE OF DOYLESTOWN
WAYNE COUNTY
NPDES# 3PB00014

Mayor Terry Lindeman
Village of Doylestown
24 South Portage Street
Doylestown, OH 44230

Dear Mayor Lindeman:

On July 10, 2013, Dean Stoll and this writer met with Mr. Randy Danford to conduct an inspection of the sewage treatment plant for the Village of Doylestown. The intent of the inspection was to evaluate operations and maintenance of the treatment system. Additionally, the renewal for the National Pollutant Discharge Elimination System (NPDES) permit was discussed.

The wastewater treatment system consists of a raw influent flume, muffin monster comminutor, bar screening, two flow equalization tanks, primary clarifier/digester unit, aerated digester, trickling filter, contact aeration tank, upflow clarifier, RBC units, chlorination/dechlorination.

At the time of the inspection, the treatment system was experiencing above average flows due to heavy rainfall. The flow equalization tanks were full. The primary clarifier was overflowing and sending untreated wastewater to Silver Creek. Additionally, heavy oil sheen was present on the final clarifiers. Considering the heavy flow volume, the wastewater treatment plant (WWTP) was in good maintenance condition.

Based on the inspection, the following violations were recorded:

1. The overflowing primary clarifier and resulting discharge of untreated wastewater to Silver Creek is a violation Ohio Revised Code (ORC) 6111. During the inspection, it was suggested that the operator install a pump into the primary clarifier and pump into an unused tank in an effort to stop the bypass. Please submit a report to Ohio EPA detailing how the bypass was stopped and cleaned up.

The overflowing primary clarifier during wet weather events has occurred before. The renewed NPDES permit will contain a compliance schedule to implement a permit solution to prevent future overflows of the primary clarifier.

2. A large pile of asphalt grindings are present outside of the WWTP fenced area. The pile of asphalt grindings is uncovered and eroding into the adjacent wetland and Silver Creek.

This uncovered pile is a violation of the Municipal Separate Storm Sewer Systems (MS4) storm water regulations. Additionally, the erosion from this pile of grinding entering the adjacent wetland and Silver Creek is a violation of ORC 6111 and the federal clean water act.

The asphalt grinding pile should be covered and a berm constructed to prevent erosion or the pile should be removed from this area. Please submit a written plan of how the Village will remediate this violation.

The following concerns were discussed during the inspection:

1. It was unknown what was causing the heavy oil sheen on the final clarifiers. A lighter oil sheen could be seen throughout the plant. It appeared that a volume of oil may have been dumped into the collection system. An oil and grease sample was requested to be taken that afternoon. Please submit the finding of this sample to Ohio EPA.
2. A review of the discharge monitoring reports shows a number of mercury violations. A plan to investigate the sources of mercury was discussed. The renewed NPDES permit will contain a compliance schedule to investigate and address the mercury violations.
3. The renewed NPDES permit will have a phosphorus limit and this limit was discussed. A compliance schedule will be included in the renewed NPDES permit to submit a PTI to upgrade the plant to treat for phosphorus.

A review of your Discharge Monitoring Reports (DMRs) covering the period June 2012 through May 2013 revealed the following effluent violations:

Permit No	Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PB00014*HD	July 2012	001	Mercury, Total (Low Le	30D Conc	12	20.	7/1/2012
3PB00014*HD	August 2012	001	Mercury, Total (Low Le	30D Conc	12	102.	8/1/2012
3PB00014*HD	September 2012	001	Copper, Total Recovers	1D Conc	30	40.	9/12/2012
3PB00014*HD	September 2012	001	Copper, Total Recovers	30D Conc	19	40.	9/1/2012
3PB00014*HD	September 2012	001	Mercury, Total (Low Le	30D Conc	12	143.	9/1/2012
3PB00014*HD	October 2012	001	Mercury, Total (Low Le	30D Conc	12	107.	10/1/2012
3PB00014*HD	November 2012	001	Mercury, Total (Low Le	30D Conc	12	39.3	11/1/2012
3PB00014*HD	December 2012	001	Mercury, Total (Low Le	30D Conc	12	66.9	12/1/2012
3PB00014*HD	December 2012	581	Nitrogen Kjeldahl, Tot	1D Conc	75	10700.	12/31/2012
3PB00014*HD	January 2013	001	Mercury, Total (Low Le	30D Conc	12	27.	1/1/2013
3PB00014*HD	February 2013	001	pH	1D Conc	9.0	6387.	2/7/2013
3PB00014*HD	February 2013	001	Mercury, Total (Low Le	30D Conc	12	32.	2/1/2013
3PB00014*HD	March 2013	001	pH	1D Conc	6.5	.401	3/4/2013
3PB00014*HD	April 2013	001	pH	1D Conc	9.0	12.56	4/22/2013
3PB00014*HD	April 2013	001	pH	1D Conc	9.0	12.16	4/23/2013
3PB00014*HD	April 2013	001	pH	1D Conc	9.0	11.8	4/24/2013
3PB00014*HD	April 2013	001	pH	1D Conc	9.0	12.49	4/25/2013
3PB00014*HD	April 2013	001	pH	1D Conc	9.0	12.42	4/26/2013
3PB00014*HD	May 2013	001	Mercury, Total (Low Le	30D Conc	12	14.1	5/1/2013

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Overall the results of this inspection were satisfactory. Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1255.

Sincerely,



Todd Surrena
Engineering Geologist
Division of Surface Water

TMS/cs

cc: Wayne County Health Dept.
Randy Danford, Public Utility Manager, Village of Doylestown

File/Public/Doylestown/PC