



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

September 8, 2009

RE: STRONGSVILLE B WWTP
COMPLIANCE EVALUATION INSP.
CUYAHOGA COUNTY
PERMIT NO. 3PB00047

Mayor and Council
City of Strongsville
18688 Royalton Road
Strongsville, Ohio 44136

Dear Mayor and Council:

On July 16, 2009, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by Mr. Richard Meloy, Project Manager. The purpose of the inspection was to evaluate the operation and maintenance of the treatment plant along with the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

The plant design of the wastewater treatment system is 2.1 MGD. Currently the plant has been averaging 0.84 MGD with a maximum of 2.63 MGD since July 2006. The influent to the plant at the time of the inspection was 0.6 MGD. The plant appeared to be well operated and maintained. The facility was found to be in general compliance with its NPDES permit. At the time of the inspection all treatment units necessary to treat current flows were in service.

The following items were noted/discussed during the inspection:

1. Two gear boxes inside the rotating biological contactor (RBC) were building were not operational. One has been down for 3 months and the other has not been operational for over a year. Quotes have been provided to the City for approximately \$17,000/ gear box.
2. The ice rink on S.R. 82 has caused the wastewater treatment plant to experience some ammonia problems in the past. It is my understanding the City has been notified of this problem.
3. Both total suspended solids and phosphorus influent loadings have been increasing for no known reason. These trends are currently being monitored.
4. One of three primary settling tanks was running. Maintenance was being performed on the remaining two.
5. Two of three secondary tanks were running. Maintenance was being performed on the third one.
6. Minimal floating solids were present on both the primary and secondary settling tanks.
7. Two of four rapid sand filters were running.

8. The sludge press is being run 2 times per week.
9. Agrisludge is the contracted sludge hauler till the end of American Water Services' contract in September 2009.
10. Agrisludge hauls away a 20 cubic yard roll off box once per week. The sludge is then land applied to approved sites in Medina County
11. Precision Analytical performs the analysis for metals, TKN, oil & grease, cyanide, and the sludge analysis for the WWTP.
12. American Water Service is currently in negotiation with the City for a 5 year extension to operate the wastewater treatment plant.
13. The effluent was clear. No visual impact was observed at the receiving stream.

This office has recently reviewed your self-monitoring reports covering the period July 1, 2006 through July 30, 2009 for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are as follows:

Limit Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	5.6	7.5	11/22/2006
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	3.27333	6/15/2007
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.5	1.55333	7/1/2007
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.63	7/1/2007
001	00530	Total Suspended Solids	7D Qty	143	153.816	2/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	5.6	8.13333	2/8/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.53667	6/1/2008

Frequency Violations

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
601	80082	CBOD 5 day	3/Week	3	2	11/22/2006
001	50286	Mercury, Total (Low Level)	1/Month	1	0	02/01/2007
601	80082	CBOD 5 day	3/Week	3	2	02/08/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	03/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	04/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	05/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	06/01/2007
581	51129	Sludge Fee Weight	2/Year	1	0	06/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	07/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	08/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	09/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	10/01/2007

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Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	50286	Mercury, Total (Low Level)	1/Month	1	0	11/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	12/01/2007
581	51129	Sludge Fee Weight	2/Year	1	0	12/01/2007
586	51129	Sludge Fee Weight	1/Year	1	0	12/01/2007
001	50286	Mercury, Total (Low Level)	1/Month	1	0	01/01/2008

It was noted during the review of the monthly monitoring reports that the mercury analysis was conducted and mistakenly submitted under reporting code 50286 instead of 50092. Mr. Meloy indicated that this data would be resubmitted under the correct reporting code.

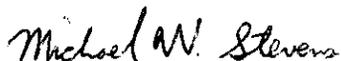
Code Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
801	31616	Fecal Coliform			AK	6/20/2007
801	31616	Fecal Coliform			AK	10/1/2008
901	31616	Fecal Coliform			AK	10/1/2008

Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,



Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/mt

pc: Richard B. L. Meloy, Project Manager