



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

April 4, 2008

RE: WAYNE COUNTY
CHIPPEWA TWP.
WESTVIEW MHP
NPDES #3PV00031

Mr. Dennis White
Technical Supervisor
18592 Edwards Road
PO Box 322A
Doylestown, OH 44230

Dear Mr. White:

On April 2, 2008, this writer met with you and Mr. Forrest May to conduct an inspection of the wastewater treatment plant in operation at Westview MHP. The intent of the inspection was to evaluate operations and maintenance of the system. Below are the findings from the inspection:

The 20,000 gpd plant runs in parallel with the 17,500 gpd plant. At the time of the inspection, both treatment plants were in satisfactory condition and the effluent produced from the plant was clear. The system does have some inflow/infiltration (I/I) issues that causes solids washout to occur during heavy rainfalls. It is recommended that the system work toward finding and eliminating these I/I sources. We are requesting that you prepare a work plan which would include methods to finding and eliminating the sources of the I/I. Please submit this work plan within 30 days from the date of this letter.

20,000 gpd Wastewater Treatment Plant

The aeration basin had a mixed liquor that was light brown with a slight grayish color. The tank was provided with satisfactory air circulation and no foam was present. The clarifier was in good condition with no visible solids but the weirs had some minor solids accumulation. Heavy rainfalls had caused solids in the system to flush through the system. The sludge return line was a grayish brown color and the skimmer return line was clear. It is understood the clarifier is pumped out every six to eight weeks during the summer months and less often during the winter months. Sludge is hauled off site for treatment. Because of the frequent washout conditions at this wastewater plant, it should be noted that you be careful to not remove too much sludge from the system. A proper balance of solids in the wastewater treatment plant is crucial to effective treatment of the wastewater.

17,500 gpd Wastewater Treatment Plant

The aeration basin had a mixed liquor with a slight gray color and the air circulation appeared to be satisfactory. There was no foam noticed in the aeration basin, the clarifier was clear with no solids noted. The clarifier weir overflow trough had solids accumulation and should be cleaned. The sludge return line and the skimmer return line were clear. A sludge return line should optimally be a dark chocolate brown color.

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As noted above, a proper solids balance is crucial to the operation and treatment efficiency of wastewater treatment plants. Heavy rainfalls appear to have washed out most of the solids in both wastewater treatment plants. The loss of solids from flooding may cause the plants to produce an effluent quality which does not meet the limits set in the NPDES permit.

As a reminder, your NPDES permit Part II, Section E, requires you to notify Ohio EPA within one hour of learning of any Sanitary Sewer Overflow (SSO) from your sewers or from your maintenance contract areas that may imminently and substantially endanger human health. Also, within 5 days of becoming aware of any SSO, you must provide the Northeast District Office with a written report.

The aerated lagoon was in good condition with all diffuser lines in operation. The lagoon is cleaned out every five to six years and was most recently cleaned out approximately one year ago. The lagoon prior to the final effluent appeared to be in satisfactory condition. The final outfall at the receiving stream appeared to be in good condition. The stream was clear and had a low flow rate.

A summary of the wastewater treatment plant discharge violations for the period of December 2006 through March 2008 has been attached to this letter. The violations were discussed during the inspection. The treatment plant exceeded permit limits for nitrogen ammonia in 2007. The previous periods of nitrogen ammonia problems occurred in 2004 and 2005. That period of noncompliance appeared to be resolved once the lagoon was cleaned. You were unsure of how to resolve the pH violations. Because the pH violations seem to recur, we recommend you evaluate the wastewater treatment system and all sampling and testing procedures to find what is causing the slightly lower pH.

Please notify this office if you will need an extension from the 30 day timeline to develop a work plan to identify and eliminate I/I sources. If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/mt

Attachment: Violation list

cc: Wayne County Health Dept.
Forrest May, Manager, Westview MHP

ec: Rich Blasick, Ohio EPA, DSW, NEDO

File: Semi-Public/Wayne/Chippewa Twp./Westview MHP

Violation List

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2007	001	Nitrogen, Ammonia NH3	30DConc	3.0	12.25	2/1/2007
February 2007	001	Nitrogen, Ammonia NH3	30D Qty	0.5	1.683	2/1/2007
February 2007	001	Nitrogen, Ammonia NH3	1D Conc	4.5	14.9	2/7/2007
February 2007	001	Nitrogen, Ammonia NH3	1D Qty	0.7	2.31226	2/7/2007
February 2007	001	Nitrogen, Ammonia NH3	1D Conc	4.5	9.6	2/21/2007
February 2007	001	Nitrogen, Ammonia NH3	1D Qty	0.7	1.05374	2/21/2007
March 2007	001	Nitrogen, Ammonia NH3	30D onc	3.0	8.485	3/1/2007
March 2007	001	Nitrogen, Ammonia NH3	30D Qty	0.5	.96434	3/1/2007
March 2007	001	Nitrogen, Ammonia NH3	1D Conc	4.5	8.6	3/7/2007
March 2007	001	Nitrogen, Ammonia NH3	1D Qty	0.7	1.04163	3/7/2007
March 2007	001	Nitrogen, Ammonia NH3	1D Conc	4.5	8.37	3/21/2007
March 2007	001	Nitrogen, Ammonia NH3	1D Qty	0.7	.88705	3/21/2007
May 2007	001	Nitrogen, Ammonia NH3	1D Conc	1.5	1.89	5/30/2007
May 2007	001	Nitrogen, Ammonia NH3	1D Qty	0.2	.2003	5/30/2007
June 2007	001	Nitrogen, Ammonia NH3	30DConc	1.0	1.025	6/1/2007
June 2007	001	Nitrogen, Ammonia NH3	1D Conc	1.5	1.98	6/13/2007
August 2007	001	Nitrogen, Ammonia NH3	30DConc	1.0	1.045	8/1/2007
December 2006	001	pH	1D Conc	6.5	6.	12/6/2006
December 2006	001	pH	1D Conc	6.5	6.1	12/13/2006
December 2006	001	pH	1D Conc	6.5	6.1	12/20/2006
December 2006	001	pH	1D Conc	6.5	6.1	12/27/2006
January 2007	001	pH	1D Conc	6.5	6.1	1/3/2007
January 2007	001	pH	1D Conc	6.5	6.	1/10/2007
January 2007	001	pH	1D Conc	6.5	6.	1/17/2007
January 2007	001	pH	1D Conc	6.5	6.4	1/24/2007
January 2007	001	pH	1D Conc	6.5	6.	1/31/2007
February 2007	001	pH	1D Conc	6.5	6.3	2/2/2007
February 2007	001	pH	1D Conc	6.5	6.	2/7/2007
February 2007	001	pH	1D Conc	6.5	6.	2/14/2007
February 2007	001	pH	1D Conc	6.5	6.	2/21/2007
February 2007	001	pH	1D Conc	6.5	6.	2/28/2007
March 2007	001	pH	1D Conc	6.5	6.	3/7/2007
March 2007	001	pH	1D Conc	6.5	6.1	3/21/2007
April 2007	001	pH	1D Conc	6.5	6.4	4/11/2007
October 2007	001	pH	1D Conc	6.5	6.4	10/31/2007
November 2007	001	pH	1D Conc	6.5	6.3	11/7/2007
November 2007	001	pH	1D Conc	6.5	6.4	11/14/2007
November 2007	001	pH	1D Conc	6.5	6.4	11/21/2007
November 2007	001	pH	1D Conc	6.5	6.3	11/28/2007
December 2007	001	pH	1D Conc	6.5	6.3	12/5/2007
December 2007	001	pH	1D Conc	6.5	6.4	12/12/2007
December 2007	001	pH	1D Conc	6.5	6.3	12/19/2007
December 2007	001	pH	1D Conc	6.5	6.3	12/26/2007
January 2008	001	pH	1D Conc	6.5	6.3	1/2/2008

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2008	001	pH	1D Conc	6.5	6.3	1/16/2008
January 2008	001	pH	1D Conc	6.5	6.2	1/23/2008
January 2008	001	pH	1D Conc	6.5	6.3	1/30/2008
February 2008	001	pH	1D Conc	6.5	6.3	2/6/2008
February 2008	001	pH	1D Conc	6.5	6.3	2/13/2008
February 2008	001	pH	1D Conc	6.5	6.3	2/20/2008
February 2008	001	pH	1D Conc	6.5	6.3	2/27/2008
June 2007	001	Total Suspended Solids	30D Conc	12	40.	6/1/2007
June 2007	001	Total Suspended Solids	30D Qty	1.9	4.06604	6/1/2007
June 2007	001	Total Suspended Solids	1D Conc	18	92.	6/13/2007
June 2007	001	Total Suspended Solids	1D Qty	2.9	8.7055	6/13/2007
June 2007	001	Total Suspended Solids	1D Conc	18	47.	6/27/2007
June 2007	001	Total Suspended Solids	1D Qty	2.9	5.51475	6/27/2007
July 2007	001	Total Suspended Solids	30D Conc	12	18.5	7/1/2007
July 2007	001	Total Suspended Solids	30D Qty	1.9	1.90953	7/1/2007
July 2007	001	Total Suspended Solids	1D Conc	18	46.	7/5/2007
July 2007	001	Total Suspended Solids	1D Qty	2.9	4.87508	7/5/2007
February 2008	001	Total Suspended Solids	1D Conc	18	26.	2/13/2008
February 2008	001	Total Suspended Solids	1D Qty	2.9	3.64117	2/13/2008