



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 23, 2008

RE: WAYNE COUNTY
MT. EATON
NPDES# 3PA00033

Mr. Adam Leimeister
Village of Mount Eaton
P.O. Box 279
Mt. Eaton, OH 44659

Dear Mr. Leimeister:

On December 9, 2008, this writer, accompanied by Chris Moody of this office, met with you to conduct an inspection of the sewage treatment plant serving the Village of Mount Eaton (Village). The intent of the visit was to evaluate operations and maintenance of the treatment system as part of a routine inspection by our office.

Overall, the treatment plant was in generally good condition and was producing what appeared to be a satisfactory quality effluent. The inspection revealed the following:

- 1) During the interview, we discussed the potential for a phosphorus limit to be added to the next NPDES permit for the Village. The wastewater treatment plant discharges to the North Fork of the Sugarcreek. According to the Sugarcreek TMDL, the Sugarcreek is required to have a phosphorus reduction from all point sources. The Village is considered a point source for phosphorus to the Sugar Creek and must reduce the total phosphorus effluent concentration to 1.0 mg/l. To view the Sugarcreek TMDL, please go to <http://www.epa.state.oh.us/dsw/tmdl/SugarCreekTMDL.html>.

The current permit for the Village expires on November 30, 2009. The renewal permit for the Village will include a compliance schedule which will give the Village an adequate timeline to get phosphorus removal equipment installed. In addition, the renewal permit will include an interim table for phosphorus monitoring only (with no limit) and a final table with a phosphorus limit.

- 2) The addition of phosphorus removal equipment will require a Permit to Install (PTI) to be submitted to this office and approved by Ohio EPA prior to installation. Four sets of detail plans of the phosphorus removal system must be prepared and stamped by a Professional Engineer and submitted to this office for review. The detail plans will be forwarded to the Director's Office with our recommendations. The Professional Engineer preparing the plans shall also be responsible for overseeing the installation of the system. Your contract with the engineer must include the inspection during construction. In accordance with the Ohio Revised Code Section 6111.44, you must receive formal approval from the Director's Office prior to construction.

The Plan Approval Procedures and forms you will need are located on our Web site at <http://www.epa.state.oh.us/dsw/pti>. All fees, applications and data sheets must be completed and included with the submission of detail plans before the plans can be processed for approval.

- 3) Inflow and infiltration (I/I) within the system was also discussed. During the inspection, you indicated the collection system is heavy on I/I. The sewer system was installed in 2001 and put online in 2003. Given the fairly new age of the sewer system, our office has concerns

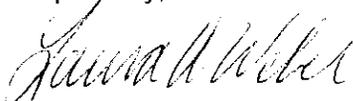
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with the I/I problems experienced in the system. As a result of the I/I problem, the Village hired a consultant this past August to conduct a smoke test of the collection system. The results showed the school system's downspouts were tied into the collection system. It is our understanding the Village has also worked on sending out questionnaires to residents with photos of the problem areas found in the study. The Village does have a clean water/road drain connection ban ordinance in effect. Anytime an I/I study is conducted, our office would appreciate if you could keep us notified. As such, please forward a copy of the I/I study results to our office so that we may have a copy for our records.

- 4) The comminutor was in operation and the bar screens were clean. It is our understanding the bar screens are cleaned out on a daily basis. The aerators contained a mixed liquor that was a light chocolate brown color with some foam production on the outside of the tank circumference. The fine bubble diffuser system was providing adequate air to tank.
- 5) The settling tank/clarifier had solids accumulated on the surface and the skimmer was sealed off with solids. You indicated the tank was recently frozen over for at least a week and this contributed to the solids layer on the surface of the tank. You stated that when the tank froze over, it would have to be skimmed by hand to remove the solids. The weirs had some solids accumulated on them and the effluent from the settling tank/clarifiers appeared to be clear.
- 6) The sludge tanks located on either side of the settling tank/clarifier were somewhat full and appeared to be in good condition. The UV system was in good condition. You indicated you had recently replaced nearly all the bulbs this past summer.
- 7) The surface sand filters were in good condition and were recently raked clear. The discarded raking material must be placed in a dumpster. Anything being removed from the sand filters needs to be disposed at a licensed solid waste landfill. The final effluent from the wastewater treatment plant was observed after the UV and final diffusers and was observed to be clear.
- 8) A summary of wastewater treatment plant discharge and frequency violations for the period of January 2006 through November 2008 has been attached to this letter. We encourage you to review all plant data to determine whether these violations are accurate or if there was a reporting error by the lab or our data collection program. Any reporting errors or eDMR errors must be reported to this office so the error can be resolved. You may contact Mr. James Roberts of this Agency's Central Office at (614) 644-2054 to discuss this issue directly.

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

File: Public/Mt. Eaton, Village of/PC

Reporting Violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2008	001	80082	CBOD 5 day	7D Qty	2.6	3.05828	3/15/2008
June 2008	001	31616	Fecal Coliform	30DConc	1000	2900.	6/1/2008
June 2008	001	31616	Fecal Coliform	7D Conc	2000	2900.	6/22/2008
February 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.33	2/1/2007
August 2007	001	00610	Nitrogen, Ammonia (NH3	30DConc	1.0	1.04	8/1/2007
August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.07	8/1/2007
October 2007	001	00610	Nitrogen, Ammonia (NH3	30DConc	1.0	3.45	10/1/2007
October 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.17	.97294	10/1/2007
October 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.97	10/22/2007
October 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.26	1.86421	10/22/2007
April 2006	001	00530	Total Suspended Solids	7D Conc	18	26.	4/22/2006
February 2008	001	00530	Total Suspended Solids	7D Qty	3.1	3.64874	2/1/2008
March 2008	001	00530	Total Suspended Solids	30D Qty	2.0	2.29797	3/1/2008
March 2008	001	00530	Total Suspended Solids	7D Qty	3.1	5.35199	3/15/2008

Frequency Violations:

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
September 2007	001	00083	Color, Severity	1/Day	1	0	09/30/2007
January 2008	001	00300	Dissolved Oxygen	1/Week	1	0	01/01/2008
March 2008	001	00300	Dissolved Oxygen	1/Week	1	0	03/22/2008
August 2007	001	31616	Fecal Coliform	1/Month	1	0	08/01/2007
September2007	001	01330	Odor, Severity	1/Day	1	0	09/30/2007
March 2008	001	01330	Odor, Severity	1/Day	1	0	03/31/2008
September2007	001	01350	Turbidity, Severity	1/Day	1	0	09/30/2007
September2007	001	00010	Water Temperature	1/Day	1	0	09/30/2007