



State of Ohio Environmental Protection Agency

Northeast District Office

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

August 25, 2009

RE: WAYNE COUNTY  
VILLAGE MT. EATON  
NPDES# 3PA00033

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

Dear Mr. Leimeister:

On August 18, 2009, this writer 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 prior to drafting the next National Pollutant Discharge Elimination System (NPDES) permit.

At the time of the inspection, 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 phosphorus limit that will be included in 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.

As discussed in the previous inspection by this office in December 2008, the Village is considered a point source for phosphorus to the Sugarcreek 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 renewal permit will include an interim table for phosphorus monitoring only (with no limit) and a final table with a phosphorus limit. The renewal permit for the Village will include a compliance schedule which will give the Village 18 months to get phosphorus removal equipment installed.

- 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.

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- 3) The solids removal at the wastewater treatment plant was discussed during the inspection. The Village currently hauls solids to the City of Canton, the Village of Lodi or the Village of Millersburg Wastewater Treatment Plants. It was indicated that the Village is interested in land applying the solids from the wastewater treatment plant. The renewal permit for the Village will include both a 588 station for sludge hauling and a 581 station for land application. Please contact Chris Moody of this office at (330) 963-1118 to discuss the land application program requirements.
- 4) The reporting of non-compliance events was discussed during the inspection. The Village currently submits e-mail notifications for NPDES permit non-compliance events. Please be aware, there is an updated reporting method for NPDES Part III Non-compliance events. The attached Fact Sheet (dated February 2009) will clarify what circumstances require 24-hour Non-compliance notification and the options available for submitting the notification. These report forms are located on our Web site and the link can be found on the enclosed fact sheet. In addition, a copy of the report has been enclosed with this letter. When a Non-compliance event occurs, please submit all required report forms to [laura.weber@epa.state.oh.us](mailto:laura.weber@epa.state.oh.us) within 24 hours of notification. If any questions occur during the submittal of these reports, please contact this office at (330) 963-1299.
- 5) During the inspection, Inflow and infiltration (I/I) within the system was discussed. It is understood the sewer system was installed in 2001 and put online in 2003. Given the fairly new age of the sewer system, our office has some concerns with the I/I problems experienced in the system. As a result of the I/I problem, the Village hired a consultant in August 2008 to conduct smoke testing 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/roof drain connection ban ordinance in effect. As a reminder, anytime an I/I study is conducted, please provide a courtesy copy of the study to this office. The August 2008 study has not been received by this office. 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.
- 6) The comminutor was in operation and the bar screens appeared to be in good condition. It is understood the bar screens are cleaned out on a daily basis. The aerators contained a mixed liquor that was a chocolate brown color with some foam production on the outside of the tank circumference. The fine bubble diffuser system was providing an adequate air supply to the tank.
- 7) The settling tank/clarifier had some floating solids/scum accumulating around the skimmer located at the end of the tank opposite the effluent weir. This scum accumulation issue causes stagnation problems and during the winter months the tank surface is more susceptible to freezing over. At the time of the inspection, a hose was hooked up to a sprinkler which was spraying the surface of the tank in an effort to break up the scum layer and allow the skimmer to effectively drain the scum layer. You indicated the scum accumulation around the skimmer is an ongoing issue that could be remedied by installing a baffling system within the tank. It is our understanding the baffling system would keep the flow moving around the skimmer and less susceptible to freezing over the tank in the winter months. Our office does not object to the installation

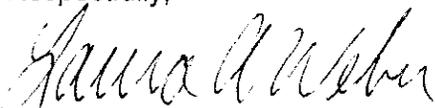
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of this baffling system within the settling tank/clarifier to assist with the scum accumulation issue around the skimmer. The effluent weir and baffle was in good condition with some minor algae growth. The effluent from the settling tank/clarifier appeared to be clear.

- 8) The two aerobic digesters located on either side of the settling tank/clarifier were in good condition. It is understood sludge was pumped from the system on July 31, 2009 and hauled to Millersburg Wastewater Treatment Plant. The UV system was in good condition with nearly all the bulbs having been replaced last summer.
- 9) The surface sand filters were in good condition with some minor weed growth on the sand filters that were not in use. The discarded raking material is placed in a dumpster located next to the equipment building. Anything being removed from the sand filters is taken to a licensed solid waste landfill. The final effluent from the wastewater treatment plant was observed after the final diffusers and was observed to be clear.
- 10) A summary of wastewater treatment plant discharge and frequency violations for the period of January 2007 through July 2009 have been attached to this letter. As discussed during the inspection, some frequency violations may be inaccurate. The frequency violations listed for the month of March 2008 appear to be inaccurate since the Village collected samples during the month; however the samples were not aligned with the correct Swims week. This may be corrected through our Central Office by contacting Mr. James Roberts at (614) 644-2054. It is recommended you review all plant data to determine whether the 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. As recommended above, you may contact Mr. James Roberts of this Agency's Central to discuss this issue directly.

The renewal NPDES permit for this facility is being drafted and will be public noticed in the near future. You will have 30 days from the date of the public notice to submit comments to the Ohio EPA regarding the draft permit. 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

Attachments: Violation list  
Fact Sheet  
Non compliance report

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

### Reporting Violations:

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

### Frequency Violations:

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