



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

August 27, 2008

RE: LAKE COUNTY
MADISON TOWNSHIP
YOGI'S PLACE
NPDES PERMIT NO. 3PR00201
APPLICATION NO. OH0126021

NOTICE OF VIOLATION

Mr. Jim Tylec
33631 Fox Run Drive
Ashtabula, OH 44004

Dear Mr. Tylec:

On August 14, 2008, this writer conducted a compliance evaluation inspection of the wastewater treatment plant (WWTP) that serves the above referenced facility. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits.

At the time of inspection, the plant was producing an effluent free of oil, grease, solids or debris. The following observations were made:

1. The aeration tank content was weak. The plant is under loaded. No discharge was coming from the skimmer return line;
2. The settling tank content was turbid. Excessive sludge was floating on the surface of the tank. Sludge and algae were blocking the effluent weir. The skimmer level was above the surface water level. The return sludge rate may need adjusting. The sludge and vegetation should be removed from the effluent weir. The skimmer level should be adjusted to be at the surface water level of the tank;
3. The filter beds had some vegetation on its surface. Any sludge, vegetation and solids laden sand on the surface of the bed must be removed. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists in the beds. Approved filter sand has an effective size of 0.4 - 1.0 mm and a uniformity coefficient that does not exceed 3.0. The sand must be raked and evenly distributed across the surface area of the filter beds;
4. The filter beds contained capped stand pipes. This is not a part of the approved plant design and should be removed;
5. Chlorine tablets and sulfite tablets were present in the chlorinator and dechlorinator, respectively;
6. The effluent lift station had vegetation growing inside. Any vegetation or sludge in the effluent lift station should be removed; and
7. The sludge holding tank appears to hold aerated rain water, not sludge.

The above highlighted deficiencies should be immediately addressed.

A review of the Monthly Operating Reports covering July 2007 through July 2008 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00400	pH	1D Conc	6.5	5.1	7/24/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.76	7/22/2008
001	00400	pH	1D Conc	6.5	5.4	7/17/2008
001	00400	pH	1D Conc	6.5	5.	7/10/2008
001	00400	pH	1D Conc	6.5	5.2	7/3/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.76	7/1/2008
001	00400	pH	1D Conc	6.5	5.8	6/26/2008
001	00400	pH	1D Conc	6.5	5.8	6/19/2008
001	00400	pH	1D Conc	6.5	5.9	6/12/2008
001	00400	pH	1D Conc	6.5	5.8	6/5/2008
001	00400	pH	1D Conc	6.5	6.	5/27/2008
001	00400	pH	1D Conc	6.5	5.8	5/20/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.22	5/15/2008
001	00400	pH	1D Conc	6.5	5.9	5/13/2008
001	00400	pH	1D Conc	6.5	6.	5/6/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.22	5/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	10.92	4/22/2008
001	00400	pH	1D Conc	6.5	6.4	4/17/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.92	4/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	49.77	3/15/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.02	.0518	3/15/2008
001	00400	pH	1D Conc	6.5	6.3	3/13/2008
001	00400	pH	1D Conc	6.5	6.2	3/6/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	49.77	3/1/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.02	.0518	3/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	33.32	2/8/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.02	.04023	2/8/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	33.32	2/1/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.02	.04023	2/1/2008
001	00400	pH	1D Conc	6.5	6.1	1/24/2008
001	00400	pH	1D Conc	6.5	6.	1/17/2008
001	00400	pH	1D Conc	6.5	6.1	1/10/2008
001	00400	pH	1D Conc	6.5	5.9	1/3/2008
001	00400	pH	1D Conc	6.5	6.4	12/27/2007
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.7	12/8/2007
001	00400	pH	1D Conc	6.5	6.4	12/6/2007
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.7	12/1/2007

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00400	pH	1D Conc	6.5	6.3	11/27/2007
001	00400	pH	1D Conc	6.5	6.2	11/20/2007
001	00400	pH	1D Conc	6.5	6.4	11/13/2007
001	00400	pH	1D Conc	6.5	6.1	11/6/2007
001	00400	pH	1D Conc	6.5	5.4	10/25/2007
001	00400	pH	1D Conc	6.5	4.9	10/16/2007
001	00400	pH	1D Conc	6.5	4.8	10/9/2007
001	00400	pH	1D Conc	6.5	5.1	10/2/2007
001	00400	pH	1D Conc	6.5	6.	9/27/2007
001	00400	pH	1D Conc	6.5	6.1	9/20/2007
001	00400	pH	1D Conc	6.5	5.9	9/13/2007
001	00400	pH	1D Conc	6.5	5.9	9/6/2007
001	00400	pH	1D Conc	6.5	6.2	8/28/2007
001	00400	pH	1D Conc	6.5	6.	8/21/2007
001	50060	Chlorine, Total Residual	1D Conc	0.019	.725	8/14/2007
001	00400	pH	1D Conc	6.5	4.7	8/14/2007
001	00400	pH	1D Conc	6.5	5.9	8/7/2007
001	00400	pH	1D Conc	6.5	6.4	7/12/2007

The frequency violations for the same time period are as follow:

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	50060	Chlorine, Total Residual	1/2Weeks	1	0	10/01/2007

Be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your NPDES permit may be cause for enforcement pursuant to the Ohio Revised Code Chapter 6111.

This writer located an operation and maintenance log book for the plant in one of the control boxes. The records lacked some of the required information required to be in compliance with Ohio Administrative Code 3745-7-09. The following information must be recorded:

1. Identification of the sewage treatment works;
2. Date and times of arrival and departure for the operator of record and any other operator required by this chapter of the code;
3. Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage conveyed or effluent produced;
4. Results of tests performed and samples taken, unless documented on a laboratory sheet;

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5. Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and
6. Identification of the persons making entries.

Please inform this office, in writing, within 10 days of receipt of this notification as to the reasons for the above referenced violations, as well as a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

Should you have any questions regarding this letter, please contact the undersigned at (330) 963-1183.

Sincerely,

A handwritten signature in cursive script that reads "Marie Underwood".

Marie Underwood, P.E.
Environmental Engineer
Division of Surface Water

MU/mh