



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

December 17, 2007

RE: STARK COUNTY
BETHLEHEM TWP
LAKE SHERMAN MHP
3PV00035*ED

Mr. Jeffrey Yorick, P.E.
Lake Sherman Village MHP
3499 Route 9 North, Suite 3C
Freehold, NJ 07728

Dear Yorick:

On December 13, 2007, this writer conducted a compliance evaluation inspection of your wastewater treatment plant located at 7227 Beth Avenue, Bethlehem Township. Ron Miller, Operator, was present during the inspection. The plant components consist of the following:

- Comminutor;
- 20,000-gallon Flow Equalization Basin (FEB);
- Flow splitter;
- Two aeration plants operated in series. The concrete tank plant is 23,812 gallons in size. The steel plant is 24, 170 gallons in size;
- Four slow surface sand filters each 34' X 34'. Total surface area equal to 4,624 square feet;
- 3,491- gallon Chlorination/Dechlorination tank;
- 4,376-gallon aerated sludge holding tank;
- Two 22'X22' sludge drying beds; and
- Final discharge is to Sherman Creek.

At the time of the inspection the plant was not producing an acceptable effluent. The following observations were made:

- 1) The high water alarm was on for the flow equalization basin. It was noted that recent rains may be contributing to I/I at the plant causing a surge in flow.
- 2) The contents of both aeration tanks were a nice chocolate brown, but it was obvious that each plant was being hydraulically overloaded.
- 3) The water level in the clarifiers was elevated. The clarifiers in the concrete tank contained floating solids. Both the concrete and steel aeration tank clarifiers were discharging a heavy loading of solids over the weirs and into the chlorination/dechlorination tank.
- 4) Final effluent from the chlorination/dechlorination tank was brown in color and contained the same solids as found leaving the clarifiers.
- 5) The final discharge to the stream could not be seen due to the high water level covering the discharge pipe.

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- 6) Only one of the four surface sand filters was close to acceptable conditions. The other three contained a thick accumulation of solids.
- 7) The sludge drying beds were full and in places appeared to contain almost two feet of sludge.

Pictures are attached for your reference.

Below is a summary of compliance for the time period of September 2005 through October 2007 as detected by our SWIMS tracking system:

Numeric Violations

Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	Total Suspended Solids	30D Conc	12	13.75	9/1/2006
001	Total Suspended Solids	7D Conc	18	25.	9/8/2006
001	Total Suspended Solids	30D Conc	12	13.	8/1/2006
001	Total Suspended Solids	7D Conc	18	25.	8/1/2006
001	Total Suspended Solids	30D Conc	12	17.5	7/1/2006
001	Total Suspended Solids	7D Conc	18	25.	7/1/2006
001	Total Suspended Solids	7D Conc	18	25.	7/8/2006
001	Total Suspended Solids	7D Qty	4.1	5.6775	7/1/2006

Frequency Violations

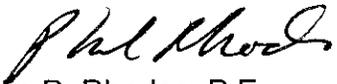
Violation Date	Station	Parameter	Sample Frequency	Expected	Reported
11/22/2005	001	Total Suspended Solids	1/Week	1	0
11/22/2005	001	CBOD 5 day	1/Week	1	0
11/22/2005	001	pH	1/Week	1	0
11/22/2005	001	Dissolved Oxygen	1/Week	1	0
3/1/2006	001	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0
9/30/2006	001	Water Temperature	1/Day	1	0
9/30/2006	001	Color, Severity	1/Day	1	0
9/30/2006	001	Odor, Severity	1/Day	1	0
9/30/2006	001	Turbidity, Severity	1/Day	1	0
9/30/2006	001	Flow Rate	1/Day	1	0
9/30/2006	001	Chlorine, Total Residu	1/Day	1	0
10/1/2006	001	Fecal Coliform	1/Month	1	0
3/8/2007	001	Total Suspended Solids	1/Week	1	0
3/22/2007	001	Total Suspended Solids	1/Week	1	0
3/1/2007	001	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0
3/8/2007	001	CBOD 5 day	1/Week	1	0
3/22/2007	001	CBOD 5 day	1/Week	1	0
5/15/2007	001	pH	1/Week	1	0

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<u>Violation Date</u>	<u>Station</u>	<u>Parameter</u>	<u>Sample Frequency</u>	<u>Expected</u>	<u>Reported</u>
5/15/2007	001	Dissolved Oxygen	1/Week	1	0
6/8/2007	001	CBOD 5 day	1/Week	1	0
10/24/2007	001	Turbidity, Severity	1/Day	1	0
9/1/2007	001	Fecal Coliform	1/Month	1	0
8/1/2007	001	Total Suspended Solids	1/Week	1	0
8/1/2007	001	CBOD 5 day	1/Week	1	0

In addition, our files do not contain noncompliance notifications as required in Part III, Section 12. This is considered a separate violation of your permit. We request that you respond in writing to this office no later than January 8, 2008, with your intentions to institute plant operational changes and reporting to resolve the above noncompliance. Failure to adequately respond may result in an enforcement action as allowed under Ohio Revised Code 6111. If you should have any questions concerning any of the above, feel free to contact this writer at (330) 963-1136.

Sincerely,



Philip P. Rhodes, P.E.
Environmental Engineer
Division of Surface Water

PPR/mt

attachments

cc: Ron Miller, Lake Sherman Village MHP

File: Semi-Public\ Lake Sherman MHP

