



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

January 6, 2012

RE: TWIN LAKES WWTP
PERMIT NO. 3PH00038
PORTAGE COUNTY
FRANKLIN TOWNSHIP

Mr. Wayne A. Carkido
Wastewater Division Manager
Portage County Water Resources
449 S. Meridian Street
Ravenna, Ohio 44266

Dear Mr. Carkido:

On December 7, 2011, an inspection of the above referenced facility was conducted. The facility was represented by Mr. Don West, Class IV Superintendent and you. The purpose of the inspection was to: (1) evaluate the performance of the wastewater treatment system along with the facility's compliance status with respect to the terms and conditions of the above-referenced National Pollutant Discharge Elimination System (NPDES) permit and (2) determine required additional actions to be undertaken as part of the permit renewal process.

During the inspection, the following items were noted/discussed:

1. The plant design of the wastewater treatment system is 456,000 gpd.
2. In accordance with Ohio Administrative Code 3745-7-04, the sewage treatment facility is classified as a Class II facility. Once the facility's permit is renewed, the permittee shall ensure that the treatment works operator of record is physically present at the facility five times per week for a minimum of twenty hours per week.
3. An influent Hydro-Dyne screener system was in operation. The screener was constructed approximately 2 years ago. The screenings go to Waste Management.
4. The aeration portion of the treatment system was comprised of an East and West tank.
5. The West tank is 100% aeration.
 - The contents of the aeration tank were medium brown in color and no foam was present.
 - The aeration tank was receiving good aeration.
 - The beach skimmer and air lift skimmer were both functional and were returning clear water.
 - The weirs were covered with scum/solids deposition. The weirs should be maintained as soon as the weather allows.
6. The East Tank is compartmentalized 2/3 aeration and 1/3 digester.
 - The contents of the aeration tank were medium brown in color and no foam was present.
 - The aeration tank and digester were receiving good aeration.
 - The beach skimmer was functional and returning clear water.

- The air lift skimmer was not functional. Mr. West indicated that it had a bad air line and was scheduled to be repaired in the Spring.
 - The weirs were covered with scum/solids deposition. The weirs should be maintained as soon as the weather allows.
7. The aeration tanks have three dedicated blowers. All are operational.
 8. The digester also has a dedicated blower.
 9. The treatment system has two tertiary disk filters which are operated in parallel. One disk filter is capable of filtering 100% of the effluent.
 10. Flow is monitored with an ultrasonic flow meter.
 11. The treatment system is also equipped with an ultra violet disinfection system. The system is functional. However, it is not required to be operated this time of year.
 12. The effluent was clear and was receiving post aeration prior to being piped into the middle of an adjacent wetland area.
 13. The treatment system is equipped with a back-up generator. It was reported that the unit was installed over three years ago.
 14. Please note the following includes some of the changes to the facility NPDES permit:
 - A permanent marker at the outfall is required to be posted per the requirement of Part II in the facility's NPDES permit.
 - A schedule of compliance will be placed in the permit renewal which requires the facility to meet E. Coli limits in the final table for outfall monitoring station 3PH00038001.
 - Total dissolved solids monitoring has been added to station 3PH00038001.
 - Color, severity and odor, severity have been removed from station 3PH00038001.
 - Sampling station 3PH00038581 has been removed.
 15. Additional changes to the permit may also be made pending the results of the Waste Load Allocation which is currently being prepared.
 16. Once the facility's renewal permit is drafted it will be public noticed. During public notice, you will have a 30 day period to evaluate your permit and comment in writing any concerns you may have.

This office has recently reviewed your self-monitoring reports covering the period April 1, 2009 through November 30, 2011 for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are as follows:

Frequency Violations

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
601	00530	Total Suspended Solids	2/Week	2	1	11/22/2011
001	00530	Total Suspended Solids	2/Week	2	1	11/22/2011
001	00610	Nitrogen, Ammonia (NH3)	2/Week	2	1	11/22/2011
001	80082	CBOD 5 day	2/Week	2	1	11/22/2011
601	80082	CBOD 5 day	2/Week	2	1	11/22/2011

Code Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
801	00300	Dissolved Oxygen			AF	2/28/2011
901	00300	Dissolved Oxygen			AF	2/28/2011
801	00400	pH			AF	2/28/2011
901	00400	pH			AF	2/28/2011
801	00010	Water Temperature			AF	2/28/2011
901	00010	Water Temperature			AF	2/28/2011
001	31616	Fecal Coliform			AK	6/7/2011
001	31616	Fecal Coliform			AK	8/3/2011

Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,



Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/cs