



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

June 28, 2011

RE: LAKE COUNTY
PERRY TWP.
YMCA OUTDOOR FAMILY CENTER
NPDES PERMIT NO. 3PR00379
APPLICATION NO. OH0134686

NOTICE OF VIOLATION

Mr. David Duricky
Interim Executive Director
YMCA Outdoor Family Center
4540 River Road
Perry, OH 44081

Dear Mr. Duricky:

On June 22, this writer conducted a compliance evaluation inspection of the wastewater treatment system serving the YMCA Outdoor Family Center. The purpose of the inspection was to evaluate the plant's operation and maintenance condition, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits. Mr. Don Elliot accompanied this writer during the inspection.

The YMCA Outdoor Family Center opened for the season on Memorial Day weekend. At the time of inspection all treatment units of the plant were in operation. The plant was producing an effluent of satisfactory visual quality in that there was no evidence of solids, debris, or oil and grease. The following observations were noted:

- The aeration tank mixed liquor and the content of the sludge return line were light brown in color. The plant is underloaded. The skimmer discharge line was not discharging and should be checked for blockage.
- The settling tank content was turbid and covered with duckweed. Some sludge was on the water surface. The duckweed and sludge should be skimmed off the surface of the tank. The skimmer was below the water level line. The skimmer elevation should be adjusted to the elevation at the water line.
- The filter bed sand needs to be leveled. Assurances must be made that 18 inches of Ohio EPA approved filter sand exists on the filter bed. Ohio EPA 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 distributed evenly across the surface of the filter bed.
- This writer had difficulty checking the chlorinator for chlorine tablets. The chlorine contact chamber is designed in such a way that access to the chlorinator is awkward, difficult and potentially dangerous for the operator placing the tablets in

Mr. David Duricky
YMCA Outdoor Family Center
June 28, 2011
Page 2

the chlorinator. There is inadequate foot room for standing on the inner ledge of the chlorinator. The YMCA should consider changes to the chlorine contact chamber that would facilitate ease of access to the chlorinator.

- This facility has no dechlorination facilities.
- No effluent was observed in the evaporation lagoon.

A review of the Discharge Monitoring Reports (DMRs) revealed the following violations during the period of August 2009 through May 2011:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
601	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	7.42	8/1/2009
601	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.42	8/15/2009
601	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.48	8/1/2010
601	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.48	8/22/2010
601	00530	Total Suspended Solids	30D Conc	12	25.	6/1/2010
601	00530	Total Suspended Solids	7D Conc	18	25.	6/22/2010

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

Pursuant to Ohio Administrative Code 3745-7-09, this agency requires the owner and operator of record to maintain operation and maintenance records for the wastewater treatment plant. The records shall be housed onsite and shall be accessible for twenty-four hour inspection.

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;
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;
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.

Mr. David Duricky
YMCA Outdoor Family Center
June 28, 2011
Page 3

Please review the administrative code carefully for information on all requirements.

Within 10 days of the date of this letter, you are required to notify this office, in writing, outlining the corrective action, either actual or proposed, that will be taken to eliminate the above highlighted deficiencies.

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/mt