



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

May 9, 2013

RE: TRUMBULL COUNTY
VIENNA TOWNSHIP
WARREN FAMILY MISSION
3653 WARREN SHARON ROAD
PERMIT APPLICATION NO. OH0143031
OHIO EPA PERMIT NO. 3PR00510

Mr. Chris Gilger, Executive Director
Warren Family Mission
361 Elm Road
Warren, Ohio 44483

Mr. Gilger:

Ohio EPA conducted a compliance evaluation inspection of the wastewater treatment works serving the above-referenced facility on April 25, 2013. The inspection was performed to evaluate the operation and maintenance of the treatment works, and determine the facility's overall compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit.

The existing wastewater treatment system consists of a trash trap, 1,500-gpd extended aeration activated sludge treatment process, clarifier, dosing chamber, dual-unit slow surface sand filters, and a chlorination/dechlorination chamber. Treated effluent is discharged to an unnamed tributary of Squaw Creek.

During the inspection, the following observations and/or deficiencies were noted:

1. The overall operation and maintenance of the treatment works appeared to be marginal. All treatment systems appeared to be in working condition.
2. A bound and numbered logbook was not observed at the facility. Please ensure that a bound and numbered logbook is maintained on site, and used to document all operation and maintenance activities at the treatment plant. Plant operation and maintenance personnel should log their time in and out, the date, a brief description of the work performed, and their initials.
3. Tank gratings were rusty.
4. The mixed liquor was quite watery, and greyish in color. The ideal color for mixed liquor is a chocolate brown color.
5. The clarifier and its weir trough were full of unsettled sludge.
6. One of the sand filter dose pumps did not appear to be operational.
7. The sand filter distribution box is cracked and deteriorated.

8. The sand filters were ponded due to excessive sludge exiting the clarifier.
9. Please note that disinfection season is from May 1 through October 31.
10. Please ensure that the final outfall pipe is exposed.
11. The final effluent appeared to be clear, and was not causing any immediately-noticeable, adverse impacts to the receiving stream.

In addition to the inspection findings, a review of the facility's monthly electronic Discharge Monitoring Reports (eDMRs) received by Ohio EPA for the period June 2010 – May 2013 indicated violations of the terms and conditions contained in the NPDES permit. The specific instances of noncompliance include:

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00510*AD	December 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.5	4.9	12/1/2010
3PR00510*AD	June 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	3.5	6/9/2011
3PR00510*AD	August 2011	001	31648	E. coli	30D Conc	161	4100.	8/1/2011
3PR00510*AD	August 2011	001	31648	E. coli	7D Conc	362	4100.	8/8/2011
3PR00510*AD	August 2011	001	31648	E. coli	7D Conc	362	4100.	8/8/2011
3PR00510*AD	December 2011	001	00530	Total Suspended Solids	30D Conc	12	14.	12/1/2011
3PR00510*AD	December 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.5	11.4	12/1/2011
3PR00510*AD	December 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.75	11.4	12/1/2011
3PR00510*AD	December 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.03	.04315	12/1/2011
3PR00510*AD	December 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.04	.04315	12/1/2011
3PR00510*AD	December 2011	001	80082	CBOD 5 day	30D Conc	10	15.	12/1/2011
3PR00510*AD	December 2011	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	12/1/2011
3PR00510*AD	June 2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	6/5/2012
3PR00510*AD	August 2012	001	31648	E. coli	30D Conc	161	400.	8/1/2012
3PR00510*AD	August 2012	001	31648	E. coli	7D Conc	362	400.	8/22/2012
3PR00510*AD	August 2012	001	31648	E. coli	7D Conc	362	400.	8/22/2012

The eDMR review also indicated that daily flow values are consistently reported as a singular value for months at a time. Please note that the NPDES permit requires that daily flow rates **must be estimated** using accepted engineering practices. Part I, A of the NPDES permit contains language describing acceptable methods for estimating daily flows.

Please note that failure to comply with the terms and conditions of the NPDES permit may be subject to enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in fines of up to \$10,000 per day of violation.

Please provide to this office, within 21 days' receipt of this letter, written documentation describing the actions that have been taken, or will be taken, to address the items described in this letter. Your response shall include specific dates for the initiation and completion of this action plan.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1120.

Respectfully,

A handwritten signature in cursive script that reads "Tomás Parry".

Tomás Parry, P.E.
Environmental Engineer
Division of Surface Water

TP/cs

Attachments: Photographs

cc: Richard Curl, R.S., Trumbull County Health Department
Scott Mascioli
Warren Family Mission

