Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

November 23, 2011

RE: BOWERSTON HEALTH CARE FACILITY
9076 STATE ROUTE 212
ORANGE TWP.
CARROLL COUNTY
OEPA PERMIT NO. 3PR00477

NOTICE OF VIOLATION

Mr. Frank Murphy, President
Bowerston Health Care Facility
561 Leeds Gate Lane.
Wadsworth, OH 44281

Dear Mr. Murphy:

On October 18, 2011, this writer conducted an inspection of the wastewater treatment plant (WWTP) for the Bowerston Health Care Facility. The intent of the inspection was to evaluate operations and maintenance of the system. The following are findings from the inspection.

1. The facilities consist of a trash trap, followed by an extended aeration treatment plant, dosing chamber, surface sand filter, and chlorination facilities. At the time of the inspection, the trash trap appeared satisfactory. The aeration tank had good color and the sludge returns were on. The plant is running on a timer. The settling tank had some scum behind the influent baffle and the effluent appeared relatively clear.

2. The sand filters were in operation. There were some solids on top of the filters. Both of the sand filters appeared to need some new sand. Some of the sludge and sand removed from the filter was lying on the ground next to the filter wall. The sludge removed from the filter must be disposed of in a municipal landfill. The records of sludge being removed from the system must be submitted to this office. Both filters appeared to have the wrong type of filter sand. It looked more like gravel. The filter sand must have an effective size between 0.4 mm and 1.0 mm, and a uniformity coefficient not greater than 3.0. The specifications of the sand in the filter must be submitted to this office.

3. The effluent in the in the chlorine contact tank appeared satisfactory. The chlorine contact tank had both tablets in the chlorinator.

4. A review of the effluent data from May 2008 through October 2011 was completed. The violations are attached to this correspondence.

5. If samples are collected after the chlorine contact tank, the laboratory must run a seeded CBOD analysis. Please provide documentation that the samples are being run appropriately.

6. This facility does not have an operator of record form filed with our Columbus Office. The appropriate form must be submitted immediately in accordance with OAC 3745-7-

02. The operator must be present at the facility two times per week for a minimum of one hour per week. The operator of this facility must maintain a log book indicating he is present for the minimum time. The maintenance staff indicated the operator is only showing up once a month to collect the effluent samples. This must be corrected.

7. The treatment plant does not have flow meter. At the minimum an elapsed time meter must be installed on the dosing chamber and read and recorded daily. This must be corrected immediately also. The loading limits in your permit are dependent on an accurate flow reading. The monthly operating reports are reporting the exact same flow every day for months at a time. This seems highly unlikely and unreliable.

8. The maintenance staff should have a copy of the National Pollutant Discharge Elimination System (NPDES) permit on-site so they know all the permit requirements and have the emergency information at the back of the permit for spills and release's.

9. This facility has not completed the new construction outlined in the compliance schedule (Part I,C) of your permit. Please respond in writing as to the status of the wastewater treatment plant upgrade. This response must be submitted by December 31, 2011.

You may contact this office at (330) 963-1193 to discuss any questions you may have.

Respectfully,

Joseph E. Trocchio, P.E.
Environmental Engineer
Division of Surface Water

JET/cs

cc: Carroll County Health Dept.

File: Semipublic/Carroll County/Orange Township/Bowerston Health Care Facility

Bowerston Pointe Health Care Effluent Violations: May 2008 - October 2011

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PR00477*AD	January 2009	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.5	1/1/2009
3PR00477*AD	October 2009	pH	1D Conc	6.5	6.	10/12/2009
3PR00477*AD	October 2009	pH	1D Conc	6.5	6.4	10/19/2009
3PR00477*AD	November 2010	pH	1D Conc	6.5	6.3	11/29/2010
3PR00477*AD	May 2011	Total Suspended Solids	30D Conc	12	22.	5/1/2011
3PR00477*AD	May 2011	Total Suspended Solids	30D Qty	0.455	.63285	5/1/2011
3PR00477*AD	May 2011	Total Suspended Solids	7D Conc	18	22.	5/22/2011
3PR00477*AD	October 2011	Fecal Coliform	30D Conc	1000	3000.	10/1/2011
3PR00477*AD	October 2011	Fecal Coliform	7D Conc	2000	3000.	10/15/2011