



**Environmental
Protection Agency**

Ted Strickland, Governor
Les Fisher, Lt. Governor
Chris Kostecki, Director

April 20, 2010

RE: TRUMBULL COUNTY
VIENNA TWP.
QUEEN OF THE HOLY ROSARY CHURCH
291 SCOVILLE DRIVE
PERMIT NO. 3PR00253

Reverend Joe Valentine
Queen of the Holy Rosary Church
291 Scoville Drive
Vienna, OH 44473

Dear Reverend Valentine:

On April 14, 2010, this writer conducted a compliance inspection on the wastewater treatment plant (WWTP) serving the Queen of the Holy Rosary Church, located at 291 Scoville Drive, Vienna Township, Trumbull County. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and its compliance with NPDES Permit to discharge terms and conditions. The last compliance inspection was conducted on February 14, 2006.

At the time of the April 14th inspection, the following observations were made:

- 1) The flow equalization tank was in use and was approximately 1/3 full. Its contents were gray in color, and were being well aerated.
- 2) The aeration tank was being well aerated, and the contents were a light, watery brown color. The return sludge line was operating and returning light gray water.
- 3) The settling tank contents were clear, and there was a slight amount of rising sludge pinfloc. The skimmer line was operating and returning clear water, and the effluent trough in the settling tank contained some algal growth.
- 4) The pumps in the sand filter dosing station were set to 'AUTO' mode, and were operational when tested manually. The high water level alarm did not work when both pumps were turned on, and there was no test switch for the alarm. The pump station control panel did contain pump flow totalizers for estimating flows.
- 7) The west cell of the surface sand filter was in use, and did contain some vegetative growth. The east filter cell was not in use, and contained dried solids which were in the process of being raked up for removal.

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- 8) The chlorination / dechlorination units were not in use, as disinfection is not required from November 1st through April 30th. It is noted that one tablet tube on the tablet chlorinator was missing from the unit.
- 9) The aerated sludge holding tank was in use, and was full of medium brown sludge being well aerated.
- 10) Effluent from the WWTP was clear, visually free of solids, and discharged to an on-site pond.

A review of the WWTP operating data for the period of February 1, 2006, through April 1, 2010, was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data for that period found the following NPDES Permit numeric effluent violations:

***Queen of the Holy Rosary Church
NPDES Permit No. 3PR00253
Numeric Effluent Limits Violations
(Feb. 1, 2006 – April 1, 2010)***

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2007	602	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.35	12/1/2007
August 2007	602	Dissolved Oxygen	1D Conc	6.0	5.8	8/2/2007

A review of the data for the same period found no reporting frequency or reporting code violations.

Items which need operation / maintenance attention are:

- 1) The sides of the settling tank should be scraped down, to ensure all solids are settling and available for return to the aeration tank. The return sludge line should be returning a brownish water to the aeration tank. A clear return sludge line water may indicate short circuiting of solids in the settling tank. It, along with the watery brown water contained in the aeration tank, may also be indicative of a low solids concentration in the aeration tank.
- 2) The effluent trough in the settling tank should have any algal growth or solids removed from the trough.
- 3) The high water level alarm in the sand filter dosing station should be checked by an electrician for proper operation.

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- 4) Any vegetative growth or solids in the surface sand filters should be removed and disposed of properly.
- 5) Chlorination / dechlorination tablets will need to be utilized in the disinfection units beginning May 1st. Also, the one missing tube in the tablet chlorinator should be replaced.

Proper operation and maintenance practices should continue to be implemented, which will enable the church's WWTP to continuously meet its NPDES Permit effluent limits.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/mt

File: SP/Trumbull/ViennaTwp/Queen of the Holy Rosary Church