



**Environmental
Protection Agency**

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

September 13, 2012

RE: MEDINA COUNTY
GRANGER TWP.
GRANGER LAKE CONDOMINIUMS
200 GRANGER RD.
NPDES PERMIT NO. 3PW00014

Mr. Don Martinson
Granger Lake Condos #1 Assoc., Inc.
200 Granger Rd.
Medina, OH 44256

Dear Mr. Martinson:

On August 21, 2012, a Compliance Evaluation Inspection (CEI) was conducted on the Granger Lake Condominiums wastewater treatment plant (WWTP), located at 200 Granger Road in Granger Township, Medina County.

The purpose of the inspection was to evaluate the facility's operation and maintenance condition prior to renewal of its National Pollutant Discharge Elimination System (NPDES) permit to discharge. The previous CEI was conducted on October 13, 2011.

At the time of the August 21st inspection, the following observations were made:

1. Contents of the trash trap were typical, and not in need of pumping.
2. Contents of the flow equalization tank were turbid gray, and were being well aerated.
3. Both the north and south aeration tanks were in use, and contents were medium brown in color and well aerated. The mixed liquor suspended solids concentration (MLSS) in the aeration tanks appeared somewhat higher than normal. The return sludge lines were returning brown activated sludge from the settling tanks to the aeration tanks.
4. There were two blower/motors for the aeration tanks. One of the blowers was in use, with the other kept as backup. The air pressure relief valve worked properly on the blower/motor, which was in operation.
5. The north settling tank had a buildup of scum/solids behind the inlet baffle, and the skimmer was properly adjusted. The south settling tank also had a buildup of scum/solids behind the inlet baffle, and the skimmer was adjusted too low, resulting in a slight floating layer of scum on the surface of the contents.

The scum/solids layer behind the inlet baffle should be removed, and the sides of the settling tank scraped down. The skimmer in the south settling tank should also be adjusted to within approximately ¼-inch below the surface of the water.

6. Both pumps in the sand filter dosing station were set to the 'AUTO' mode, and operated properly when manually tested. When manually tested, the high water level alarm also functioned properly.

7. The southwest cell of the surface sand filter was in use when the pumps dosed the sand filter. All four filter cells had the sand raked level, and were free of solids or vegetation.
8. Treated effluent is disinfected with an Ultra Violet (UV) disinfection system, consisting of two banks of lights, with two bulbs in each bank. Duckweed was observed floating on the surface of the water in the disinfection tank.
9. Effluent from the WWTP was visually clear and free of solids, and is post aerated prior to being discharged.
10. The aerated sludge holding tank was not in use and was empty..

A review of the effluent data submitted for the Granger Lake Condominiums WWTP, covering the period October 1, 2011, through September 1, 2012, was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data revealed the following numeric effluent violations of the Granger Lake Condominiums NPDES permit to discharge:

**GRANGER LAKE CONDOMINIUMS
NPDES PERMIT NO. 3PW00014
NUMERIC EFFLUENT VIOLATIONS
(Oct. 1, 2011 to Sep. 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
November 2011	Dissolved Oxygen	1D Conc	5.0	4.6	11/23/2011
December 2011	Dissolved Oxygen	1D Conc	5.0	4.3	12/14/2011
December 2011	Dissolved Oxygen	1D Conc	5.0	3.7	12/21/2011
May 2012	Total Suspended Solids	7D Conc	18	22.	5/22/2012

****Note:** A review of the eDMRs for the same period found no monitoring frequency or reporting code violations for Granger Lakes Condominiums.

Proper operation and maintenance practices which will enable the Granger Lake Condominiums WWTP to continuously meet its NPDES Permit effluent limits should continue to be implemented.

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/cs

File: SP/Medina/GrangerTwp/GrangerLakeCondos#1