



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

July 14, 2010

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

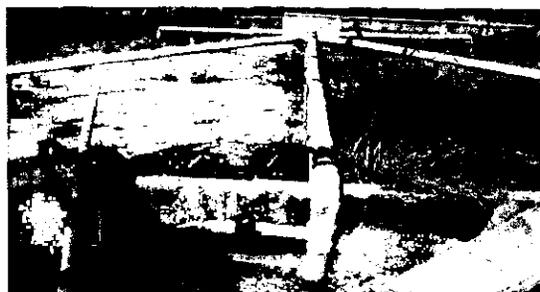
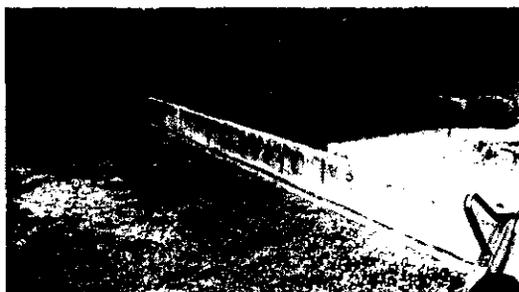
Dear Mr. Martinson:

On June 29, 2010, a compliance inspection was conducted by this writer, on the wastewater treatment plant (WWTP) serving the Granger Lake Condominiums #1, located at 200 Granger Road in Granger Township, Medina County. The purpose of the visit was to evaluate the Operation and Maintenance of the WWTP, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits. The last CEI conducted on the WWTP was on May 28, 2009.

At the time of the inspection, the following observations were made:

1. The trash trap contents appeared typical.
2. The flow equalization tank was in use, and was operating satisfactorily.
3. Both the north and south aeration tanks were being well aerated, and contents of both aeration tanks were dark brown in color. Return sludge lines for both aeration plants were operating, returning brown activated sludge.
4. The north and south settling tank contents were typical, but did have a solids buildup behind the influent baffles of both of the settling tanks. ***This solids buildup needs to be removed regularly.*** Effluent troughs in both settling tanks were clean and free of solids or algae, and the skimmers in both settling tanks were operating and returning clear liquid to the aeration tanks.
5. The sand filter dosing pumps were both set in the automatic mode, and were operational when manually tested. The high water level alarm did not function when both pumps were made operational. ***The high water level alarm needs to be checked for proper operation.***

6. The surface sand filters are comprised of 4 cells. The northeast cell was in use when the filters were being dosed; the southeast cell contained drying solids; the southwest cell was ponded to the top of the filter walls with water and duckweed; the northwest cell was full of vegetative growth. ***Please note that all filter cells need to be kept free of ponded water, solids depositions, and vegetative growth, in order to function properly.***
7. Observed during the inspection of the sand filters was an unauthorized bypass which has been installed without Ohio EPA approval. The bypass valve also had a red hose attached, with the open end of the hose located over the hill from the sand filters.



Installation of such a bypass, and particularly the unauthorized discharge of partially treated wastewater over the hillside, is an action which may be subject to enforcement actions by this Agency. The bypass piping and hose must be removed immediately. A follow-up inspection will be made to verify the removal of the bypass.

8. The effluent was being disinfected utilizing an Ultra Violet (UV) disinfection system, consisting of two banks of lights, with two bulbs in each bank.
9. The aerated sludge holding tank was approximately $\frac{1}{2}$ full, and its contents were brown in color.
10. Effluent from the WWTP appeared clear, and contained no visible solids or foam.

A review of the WWTP operating data (as reported to Ohio EPA in SWIMS) was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data covered the period of June 1, 2009 through June 29, 2010, and found the following numeric effluent violations of the Granger Lake Condominiums #1 NPDES permit to discharge:

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**GRANGER LAKES CONDOMINIUMS
NPDES PERMIT NO. 3PW00014
NUMERIC EFFLUENT VIOLATIONS
(June. 1, 2009 to June 29, 2010)**

<u>Reporting Period</u>	<u>Parameter</u>	<u>Limit Type</u>	<u>Limit</u>	<u>Reported Value</u>	<u>Violation Date</u>
February 2010	Suspended Solids	7 D Conc.	18	20	2/8/2010

A review of the eDMRs for the same period also found the following reporting frequency violations for Granger Lakes Condominiums:

**GRANGER LAKES CONDOMINIUMS
NPDES PERMIT NO. 3PW00014
REPORTING FREQUENCY VIOLATIONS
(June. 1, 2009 to June 29, 2010)**

<u>Reporting Period</u>	<u>Reporting Code</u>	<u>Parameter</u>	<u>Sample Frequency</u>	<u>Expected</u>	<u>Reported</u>	<u>Violation Date</u>
July 2009	00530	Suspended Solids	1/week	1	0	07/01/09
July 2009	80082	CBOD ₅	1/week	1	0	07/01/09

Operation and Maintenance practices on the sand filters remains a problem which needs to be improved. Operation and Maintenance on the remainder of the WWTP should continue to be implemented, which will enable the 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/Medina/GrangerTwp/GrangerLakeCondos#1