



**Environmental  
Protection Agency**

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

April 1, 2011

RE: LORAIN COUNTY  
CARLISLE TOWNSHIP  
BUTTERNUT TERRACE APARTMENTS  
(38775 BUTTERNUT RIDGE RD.)  
(NPDES PERMIT NO. 3PW00038\*AD)

Mr. Roger McVetta  
McVetta Properties  
49364 SR 303  
Oberlin, OH 44074

*Rowland Enterprises  
41641 North Ridge rd  
Elyria, OH 44035*

Dear Mr. McVetta:

On March 1, 2011, a Compliance Evaluation Inspection (CEI) was conducted on the wastewater treatment plant (WWTP) serving the Butternut Terrace Apartments, located at 38775 Butternut Ridge Road, Carlisle Township, Lorain County. The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate the facility's compliance with the terms and conditions of its NPDES Permit to discharge. The most recent CEI conducted at the Butternut Terrace Apartments WWTP was on July 29, 2008.

At the time of the March 1<sup>st</sup> inspection, the following observations were made:

- 1) The trash trap contained a mat of floating grease and solids approximately 8" thick.
- 2) The aeration tank contents were dark grayish brown in color and were well aerated. The return sludge line was operating, returning a lighter brown liquid.
- 3) Contents of the settling tank were the typical turbid gray. There was a thick solid mat of solids / scum behind the inlet baffle, and there was a thin layer of floating scum on the surface of the settling tank water. The skimmer was operating and returning clear water, but the skimmer was adjusted too low below the water level. The settling tank effluent trough had some solids deposition in it.
- 4) The east cell of the surface sand filter was in use, and was clean and free of solids. The west filter cell was off line, and exhibited a thin silt layer and water on the surface of the sand. There was a water leak in the southwest corner of the surface sand filter wall.

- 5) The Ultra Violet (UV) disinfection unit was not in use, as disinfection of the effluent is not required this time of year (November 1<sup>st</sup> through May 1<sup>st</sup>).

Based upon the results of the Butternut Terrace Apartments WWTP inspection, the following items need to be addressed:

- 1) The trash trap needs to be pumped out and checked regularly.
- 2) The settling tank effluent trough needs to have the solids deposition cleaned out.
- 3) The skimmer in the settling tank should be raised, to approximately ¼ inch below the surface of the water.
- 4) All solids should be kept off the surface sand filter, and the sand kept raked level.
- 5) The southwest corner of the surface sand filter wall should be repaired to prevent leakage of water from the filters.

A computer search of the electronic Discharge Monitoring Report (eDMR) data for the Butternut Terrace Apartments wastewater treatment plant was conducted prior to the inspection. A review of the data for the period of August 1, 2008, through March 1, 2011, found the following numeric effluent violations:

**BUTTERNUT TERRACE APARTMENTS  
 NPDES PERMIT NO. 3PW00038  
 NUMERIC EFFLUENT VIOLATIONS  
 (AUG. 1, 2008 – MAR. 1, 2011)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2008	pH	1D Conc	6.5	6.38	8/4/2008
December 2008	Total Suspended Solids	30D Conc	12	25.	12/1/2008
December 2008	Total Suspended Solids	7D Conc	18	25.	12/1/2008
December 2008	Total Suspended Solids	30D Qty	0.341	.34112	12/1/2008
March 2009	Total Suspended Solids	30D Conc	12	20.	3/1/2009
March 2009	Total Suspended Solids	7D Conc	18	20.	3/15/2009
June 2009	Fecal Coliform	30D Conc	1000	1155.	6/1/2009
June 2009	Chlorine, Total Residual	1D Conc	0.019	.19	6/11/2009
December 2009	Total Suspended Solids	30D Conc	12	13.	12/1/2009
December 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.5	12/1/2009

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Your NPDES Permit also requires the WWTP to be under the technical supervision of a licensed Class I operator. On the enclosed form (EPA 5121), please provide this office with the name of the licensed Class I operator in charge of the WWTP.

Please respond to this correspondence, in writing within 14 days of its receipt, and indicate the actions which will be taken to satisfy the above-outlined items.

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

Enclosure

cc: John Sabo, Lorain County Health Department