



**Environmental
Protection Agency**

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

July 27, 2012

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

Steve Mims
Rowland Enterprises
41641 North Ridge Rd.
Elyria, OH 44035

Dear Mr. Mims:

A Compliance Evaluation Inspection (CEI) was conducted June 26, 2012, on the wastewater treatment plant (WWTP) serving the Butternut Terrace Apartments. The Butternut Terrace Apartments are located at 38775 Butternut Ridge Road, Carlisle Township, Lorain County. The inspection was conducted by this writer, and Mr. John Sabo of the Lorain County Health Department.

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 last CEI conducted on the Butternut Terrace Apartments WWTP was on March 1, 2011.

At the time of the June 26th inspection, the following observations were made:

- 1) Contents of the trash trap were covered with a several inch thick mat of floating grease and solids.
- 2) Contents of the aeration tank were well aerated, and were medium brown in color. The return sludge line was operating and returning medium brown liquid.
- 3) The settling tank contents were slightly turbid gray, and the skimmer was operating and returning clear water. A thick mat of solids / scum was observed behind the inlet baffle, and there was a layer of floating scum covering approximately ½ of the surface of the settling tank. The settling tank effluent trough had a deposition of solids in the bottom.
- 4) Operation of the pumps in the sand filter dosing station could not be checked, as there was no electrical control panel for the dosing station.
- 5) The surface sand filter east cell had been recently dosed, and exhibited a thin silt layer on the surface of the sand in the southwest corner of the cell. The west filter cell was off-line, free of vegetation or solids, and the sand was raked level.
- 6) The Ultra Violet (UV) disinfection unit was in operation.

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A review of the electronic Discharge Monitoring Report (eDMR) data submitted for the Butternut Terrace Apartments wastewater treatment plant was conducted prior to the inspection. A review of the data for the period of March 1, 2011, through July 1, 2012, found the following numeric effluent violations:

**BUTTERNUT TERRACE APARTMENTS
NPDES PERMIT NO. 3PW00038
NUMERIC EFFLUENT VIOLATIONS
(MAR. 1, 2011 – JUL. 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2011	Fecal Coliform	30D Conc	1000	1280	6/1/2011
August 2011	Chlorine, Total Residual	1D Conc	0.019	0.71	8/24/2011

Based upon the results of the June 26th inspection of the Butternut Ridge Terrace Apartments WWTP, the following items need to be addressed:

- 1) Contents of the trash trap need to be pumped out, and the tank regularly checked for solids content.
- 2) The mat of solids/scum behind the settling tank inlet baffle needs to be pumped out, and the effluent trough kept free of solids deposition.
- 3) The settling tank skimmer adjustment should be approximately ¼ inch below the surface of the water.
- 4) Sand in the sand filter should be kept free of solids, and kept raked level for proper distribution of water on the filters.
- 5) 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/cl

cc: John Sabo, Lorain County Health Department