



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

August 2, 2013

RE: LORAIN COUNTY
CARLISLE TOWNSHIP
BUTTERNUT TERRACE APARTMENTS
(ROWLAND ENTERPRISES)
CEI
(NPDES NO. 3PW00038)

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

Dear Mr. Mims:

On July 16, 2013, a Compliance Evaluation Inspection (CEI) was conducted on the wastewater treatment plant (WWTP) serving the Butternut Terrace Apartments. The inspection was conducted by this writer, and Mr. John Sabo of the Lorain County Health Department. The Butternut Terrace Apartments are 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 National Pollutant Discharge Elimination System (NPDES) Permit to discharge. The last CEI conducted on the Butternut Terrace Apartments WWTP was on June 26, 2012.

At the time of the July 16th 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) The aeration tank contents were well aerated, and were a greasy looking medium brown color. The return sludge line was operating, returning medium brown liquid to the aeration tank from the settling tank.
- 3) Contents of the settling tank were relatively clear, but there was floating solids/scum on the surface of the contents. Although the skimmer was operating and returning clear water, it was adjusted too far below the surface of the water, and it was allowing the solids/scum to accumulate on the surface of the water. The settling tank effluent trough had a deposition of solids in the bottom.
- 4) Operation of the sand filter dosing pumps could not be checked, as there were no AUTO / MANUAL pump control switches in the electrical control panel for the dosing



station. The high water level alarm did not operate when the float switch was manually tripped.

- 5) The east cell of the surface sand filter had been recently dosed, and the west cell was off-line. Both filter cells were clean, free of vegetation, and the sand was level.
- 6) The sand filter steel distribution box is severely rusted and the hinges are broken, allowing the lid to shift and/or fall off. The sand filter distribution box should be replaced.
- 7) The area around the filter dosing pipe splash pads should be cleaned, and the stone rip-rap replaced around the splash pad.
- 8) The Ultra Violet (UV) disinfection unit was in operation.

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 July 1, 2012, through July 1, 2013, found the following numeric effluent violations:

BUTTERNUT TERRACE APARTMENTS
NPDES PERMIT NO. 3PW00038
NUMERIC EFFLUENT VIOLATIONS
(July 1, 2012 – JUL. 1, 2013)

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2012	Chlorine, Total Residual	1D Conc	0.019	0.05	8/13/2012
March 2013	pH	1D Conc	6.5	6.19	3/19/2012

The NPDES permit also requires your WWTP be operated by a licensed Class A Wastewater Operator. The Ohio EPA was to have been notified of the designated operator's name and license number, by the submittal of the Operator of Record (ORC) Notification Form (EPA 5121). A search of the ORC database found no operator of record for the Our Lady of Grace Church facility. **The enclosed Operator of Record Form is to be completed, and submitted to the Ohio EPA within 30 days of the receipt of this correspondence.**

Based upon the results of the July 16th 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. A copy of the pumping receipt is to be sent to Mr. Sabo at the Lorain County Health Department.
- 2) The settling tank effluent trough needs to have the solids removed, and it should be kept free of solids deposition.
- 3) The settling tank skimmer adjustment should be approximately ¼ inch below the surface of the water.
- 4) The surface sand filter dosing box needs to either be repaired, or replaced.

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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/cs

cc: John Sabo, Lorain County Health Department

Enclosure