



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

April 26, 2013

RE: LORAIN COUNTY  
NEW RUSSIA TOWNSHIP  
NEW RUSSIA TWP. HALL &  
SERVICE COMPLEX  
CEI  
NPDES NO. 3PR00554

New Russia Township Trustees  
45440 Butternut Ridge Road  
Oberlin, OH 44074  
Attn: Fred Swanson, Dir. Of Operations

Dear Mr. Swanson:

On April 4, 2013, a Compliance Evaluation Inspection (CEI) was conducted on the wastewater treatment plant (WWTP) serving the New Russia Township Hall & Service Complex. Present during the inspection were Mr. John Sabo, of the Lorain County Health Department, and this writer. The facility is located at 46268 Butternut Ridge Road, New Russia Township.

The purpose of the inspection was to evaluate the WWTP operation and maintenance, as well as the facility's compliance with effluent limits established in its recently issued NPDES permit (effective July 1, 2012). A previous O&M inspection was conducted on the WWTP on January 18, 2012.

At the time of the April 2<sup>nd</sup> inspection, the following observations were made of the sewage system:

- 1) Contents of the trash trap were typical, and not in need of pumping.
- 2) Contents of the aeration plant were being well aerated, and were a watery grayish-brown color. The Mixed Liquor Suspended Solids (MLSS) concentration of the contents was very low, as the plant appears to be organically underloaded. The return sludge line was operating, returning clear liquid from the settling tank to the aeration tank contents.
- 3) Contents of the settling tank were light gray in color, and there was no visible sludge settling blanket. There was a thin layer of ice on the water behind the settling tank influent baffle.

The settling tank effluent trough was clean and free of solids or algae, and the skimmer was operating, returning clear water to the aeration tank. **The skimmer was adjusted too far below the surface of the water, and should be adjusted to approximately ¼ inch below the surface.**

- 4) Both submersible pumps in the sand filter dosing station were found in the 'AUTO' position, and were operational when manually tested. The high level alarm was also operational when manually tested.

- 5) The surface sand filter contains two filter cells. The southern filter cell was dosed when the submersible pumps were tested. Both the north and south filter cells were free of solids and vegetative growth, and the sand was raked level. **The south filter cell dosing pipe joint was found to be leaking at the distribution box when the pumps were tested. The joint leak should be fixed as soon as possible.**
- 6) The disinfection contact tank contained a tablet chlorination and tablet dechlorination unit. Both units are two tube units, and both units contained all tablet tubes and caps. No tablets were contained within the tubes, as disinfection is not required November 1<sup>st</sup> through April 30<sup>th</sup>. However, **effluent disinfection should commence by May 1<sup>st</sup>.**

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the WWTP for the period of July 1, 2012 through April 1, 2013, found the following effluent limit violations for the New Russia Township Hall & Service Complex WWTP:

**NEW RUSSIA TOWNSHIP COMPLEX**  
**NPDES NO. 3PR00554**  
**(7/1/12 – 4/1/13)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2013	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.98	1/1/2013
February 2013	Total Suspended Solids	30D Conc	12	16.8	2/1/2013
February 2013	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	3.398	2/1/2013
February 2013	Dissolved Oxygen	1D Conc	6.0	5.9	2/20/2013

Ohio EPA data files indicate the Operator of Record Form, submitted to Ohio EPA on October 11, 2012, lists Tracey Weller (Class III operator) as the operator of record for your facility.

**The maintenance items above, which are written in bold type, need to be satisfactorily addressed as soon as possible.** Operation and Maintenance practices on the WWTP should continue to be implemented, which will enable the New Russia Township Hall & Service Complex WWTP to continuously meet its NPDES Permit effluent limits.

Should there be any questions or comments regarding this correspondence, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/cs

cc: Lorain County Health Department, Attn: John Sabo