



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director
June 24, 2013

RE: GEAUGA COUNTY
WEST GEAUGA
NPDES #3PT00008

Mr. Jim Russo,
West Geauga Board of Education
8615 Cedar Road
Chesterland, Ohio 44026

Dear Mr. Russo,

On June 21, 2013, this writer conducted an inspection of the sewage treatment plant serving the above referenced facility. The intent of the inspection was to review the operations and maintenance of the wastewater treatment plant (WWTP) in preparation for the proposed upgrades to be completed once Permit-To-Install (PTI) # 931601 is finalized. In addition, this office reviewed compliance with the National Pollutant Discharge Elimination System (NPDES) permit.

The PTI proposes to reduce the permitted capacity of the WWTP from 60,000 gpd to 24,000 gpd with the ability to operate the system at 17,000 gpd. The upgraded WWTP will be provided with valves that will enable one of the aeration chambers to be converted to another flow equalization tank. The NPDES permit is to be modified to reflect this reduced capacity. The NPDES permit will be drafted in the near future and will include final effluent tables and Part II language that differs from the current NPDES permit 3PT00008*GD. The final outfall table will contain reduced loadings to reflect the lowered flow rate of 24,000 gpd and the Part II language will contain different operator certification language. The reduced capacity of the WWTP will result in a change in plant classification from a Class 1 to a Class A WWTP.

At the time of the inspection, the WWTP was operating in shut down mode and no discharge was noted during the inspection. The trash trap was in the process of being cleaned out during the inspection. It is understood the WWTP was shut down after a slug load was discharged to the system from floor stripping completed at the school June 14, 2013. The WWTP was pumped out and effectively shut down following that event. The facility has plans to start up the WWTP once sports camps begin at the school. The maintenance of the WWTP appeared to be satisfactory.

During the WWTP shut down period, the discharge monitoring reports (DMR) must be submitted each month with the code "AC" for "plant not in operation". Please notify this office once the plant is back online. In addition, please provide notification to this office once construction has begun on the WWTP upgrades.

A summary of the wastewater treatment plant monitoring and reporting violations for the period of October 1, 2012 through May 1, 2013 is shown below:

Discharge monitoring violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2012	001	00530	Total Suspended Solids	7D Conc	15	39.	10/1/2012
October 2012	001	00530	Total Suspended Solids	7D Conc	15	21.	10/8/2012
October 2012	001	00530	Total Suspended Solids	7D Conc	15	19.5	10/15/2012
October 2012	001	00530	Total Suspended Solids	30D Conc	12	26.	10/1/2012
October 2012	001	00530	Total Suspended Solids	7D Conc	15	36.	10/22/2012
October 2012	001	80082	CBOD 5 day	7D Conc	15	24.	10/22/2012
October 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.25	3.42	10/1/2012
October 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	4.028	10/1/2012
October 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.25	13.1	10/22/2012
October 2012	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.51	.59996	10/22/2012
October 2012	001	31648	E. coli	7D Conc	284	730.205	10/8/2012
October 2012	001	31648	E. coli	30D Conc	126	625.014	10/1/2012
October 2012	001	31648	E. coli	7D Conc	284	534.976	10/15/2012
November 2012	001	00530	Total Suspended Solids	7D Conc	15	25.	11/1/2012
November 2012	001	00530	Total Suspended Solids	7D Conc	15	22.	11/8/2012
November 2012	001	00530	Total Suspended Solids	7D Conc	15	18.5	11/15/2012
November 2012	001	00530	Total Suspended Solids	30D Conc	12	15.	11/1/2012
November 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	22.5	11/1/2012
November 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	26.95	11/8/2012
November 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	6.875	11/15/2012
November 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	13.049	11/1/2012
April 2013	001	00400	pH	1D Conc	6.5	6.44	4/11/2013
April 2013	001	00400	pH	1D Conc	6.5	6.46	4/12/2013
April 2013	001	00400	pH	1D Conc	6.5	6.44	4/15/2013
April 2013	001	00400	pH	1D Conc	6.5	6.4	4/16/2013
April 2013	001	00400	pH	1D Conc	6.5	6.42	4/17/2013
April 2013	001	00400	pH	1D Conc	6.5	6.36	4/18/2013
April 2013	001	00400	pH	1D Conc	6.5	6.39	4/19/2013
April 2013	001	00400	pH	1D Conc	6.5	6.36	4/22/2013
April 2013	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	6.05	4/1/2013
April 2013	001	00610	Nitrogen, Ammonia (NH3	7D Conc	6.0	12.9	4/22/2013
May 2013	001	00400	pH	1D Conc	6.5	6.38	5/6/2013
May 2013	001	00400	pH	1D Conc	6.5	6.29	5/30/2013
May 2013	001	00400	pH	1D Conc	6.5	6.38	5/31/2013

The NPDES permit modification will be public noticed in the near future. Once the permit is public noticed, you will have 30 days to make any comments. In addition, the PTI should be finalized in the near future.

WEST GEAUGA
JUNE 25, 2013
PAGE 3 OF 3

If you have any questions or comments regarding this letter please contact this writer at (330) 963-1299.

Respectfully,

A handwritten signature in blue ink, appearing to read "Laura A. Weber".

Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/cs

cc: Doug Bowen, Jerry Morgan, Jim Reider, Department of Water Resources
Geauga County Health Department

File/Semi Public/Geauga County/Chester Twp/ 3PT00008