



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

January 26, 2012

RE: MEDINA COUNTY
CHATHAM TOWNSHIP
CHATHAM ELEMENTARY SCHOOL
CEI
NPDES NO. 3PT00092

Cloverleaf Local School District
8525 Friendsville Road
Lodi, OH 44254
Attn: School Superintendent

Dear Superintendent:

On January 10, 2012, a compliance evaluation inspection (CEI) was conducted by this writer on the wastewater treatment plant (WWTP) serving the Chatham Elementary School building, located at 6306 Avon Lake Road, Chatham Township, Medina County.

The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and to evaluate its compliance with its National Pollutant Discharge Elimination System (NPDES) permit to discharge, prior to renewal of the permit.

It is noted in the Ohio EPA file for the facility that the WWTP serves the Chatham Elementary School building, a church, a VFW Hall, and two residences. The last CEI of the system on record is December 29, 2006.

At the time of the January 10th inspection, the following observations were made:

- 1) The 1000-gallon trash trap was in use and its contents were turbid gray.
- 2) The 3000-gallon aeration tank was not being aerated, and contents of the tank were dark gray in color and odorous. The return sludge line was not operating, as the tank was not being aerated. A blower motor timer could not be found at the facility during the inspection, and the reason for the blower motors being off could not be ascertained. **The blower motor for the aeration tank needs to be made operational, and kept operating at all times.**
- 3) The settling tank contents were gray in color and turbid, and the skimmer was not operating, as the blower motors were not running. The settling tank effluent was clean and free of solids, and a slight trickle of clear water was discharging over the V-notch weir of the trough.
- 4) Both pumps in the 500-gallon pump station were in the 'AUTO' mode, and were operational when tested manually.

- 5) The 340 ft² surface sand filter consists of a north and south cell. At the time of the inspection, the north cell was dosed when the pumps were manually tested. The south cell contained solids and mossy growth. **The sand in both filter cells should be cleaned of solids and vegetative growth, and the sand raked level.**
- 6) The tablet chlorination / dechlorination units were in the contact tank, but contained no tablets (disinfection is not required November 1st through April 30th). The two tube tablet chlorination unit was missing one tube, and the two tube tablet dechlorination unit had a cap missing on one of the tubes. **The missing tube and cap needs to be replaced by disinfection season.** Effluent disinfection should commence May 1st.
- 7) The aerated sludge holding (ASH) tank was approximately half full of dark gray water, and was not being aerated.

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted to the Ohio EPA for the Chatham Elementary WWTP, for the period of January 1, 2007 through January 1, 2012, found the following effluent limit numeric violations for the facility:

**CLOVERLEAF LOCAL SCHOOLS
 CHATHAM ELEMENTARY
 NPDES NO. 3PT00092
 NUMERIC EFFLUENT VIOLATIONS
 (JAN. 1, 2007 – JAN. 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2007	Total Suspended Solids	30D Conc	12	52.	3/1/2007
March 2007	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	4.7	3/1/2007
March 2007	Total Suspended Solids	7D Conc	18	52.	3/8/2007
March 2007	Nitrogen, Ammonia (NH3-N)	7D Conc	4.5	4.7	3/8/2007
August 2007	Dissolved Oxygen	1D Conc	6.0	5.79	8/3/2007
June 2008	Dissolved Oxygen	1D Conc	6.0	4.3	6/2/2008
March 2010	Total Suspended Solids	30D Conc	12	36.5	3/1/2010
March 2010	Total Suspended Solids	7D Conc	18	50.	3/1/2010
March 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	4.25	3/1/2010
March 2010	Total Suspended Solids	7D Conc	18	23.	3/22/2010
June 2011	Dissolved Oxygen	1D Conc	6.0	4.58	6/7/2011
August 2011	Dissolved Oxygen	1D Conc	6.0	4.92	8/17/2011

Please note that the Ohio EPA recently received a permit renewal application for the entity's NPDES permit. However, the names on the current permit, and the permit renewal application, are different. The facility name on the current permit is Chatham Elementary, with the owner's name specified as Cloverleaf Local Schools. The NPDES permit renewal application indicates the facility name and owner is the Educational Service Center of Lorain County.

CHATHAM ELEMENTARY SCHOOL
JANUARY 27, 2012
PAGE 3 OF 3

Please verify the current owner and name of the facility to be covered under the renewed NPDES permit. If there was a change of facility ownership, then the enclosed *Application for Transfer of Ohio NPDES Permit* form (EPA Form 4234) must be completed and forwarded to this office as soon as possible. If the facility owner remains the same, and only the name has changed, this information must be forwarded to this office as well.

The above WWTP maintenance / repairs should immediately be made, and the plant kept in good operational condition.

Please inform this office in writing, within ten days of the receipt of this correspondence, as to: 1) who is the current owner of the building; 2) when the above repairs will be made such that a re-inspection can be conducted.

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: Medina County Health Department
Attn: Steve Mazak