



**Environmental  
Protection Agency**

**John R. Kasich, Governor**

**Mary Taylor, Lt. Governor**

**Scott J. Nally, Director**

January 12, 2012

RE: Lorain County  
Carlisle Township  
Lorain County Early Learning Center  
(Formerly W. Carlisle Elem. School)  
12079 Lagrange Rd.  
Compliance Evaluation Inspection  
(NPDES Permit 3PT00104)

Lorain County Early Learning Center  
12079 Lagrange Rd.  
Lagrange, OH 44050  
Attn: Jim Hartline

Dear Mr. Hartline:

On January 4, 2012, a Compliance Evaluation Inspection (CEI) was conducted on the wastewater treatment plant (WWTP) serving the Lorain County Early Learning Center, located at 12079 Lagrange Road, Carlisle Township. The facility was formerly known as West Carlisle Elementary School. Present during the inspection were Mr. John Sabo, of the Lorain County Health Department, and this writer, of the Ohio EPA.

The purpose of the inspection was to evaluate the WWTP operation and maintenance, as well the facility's compliance with National Pollutant Discharge Elimination System (NPDES) Permit effluent limits and conditions, prior to renewal of the permit.

The last CEI conducted on the WWTP was on March 15, 2007, at which time the school building was closed, and the WWTP shut down. It is our understanding that sometime after 2007, possibly in 2009, the building was reopened for use as the Early Learning Center.

At the time of the January 4<sup>th</sup> inspection, the following observations were made:

- 1) The trash trap was in use and its contents were typical.
- 2) Contents of the extended aeration tank were well aerated, and were light brown in color. The return activated sludge (RAS) line was operational, and was returning almost colorless water to the aeration tank.
- 3) There were two blower/motor units for the aeration tank. The pressure relief valve on the air line coming off the blowers was checked for ease of operation, and found to be in acceptable working order. However, the blower on the eastern unit was missing, and in need of replacement. The western unit was operating satisfactorily.
- 4) Settling tank contents were typical, and the skimmer was properly adjusted and returning clear water. The settling tank effluent trough contained a deposition of solids, and was moss covered. The trough was also not level, with the north end of the trough being under water. The effluent trough needs to be leveled, the solids and moss should be removed, and the trough should be kept clean.

- 5) The surface sand filter dosing station pumps were checked for proper operation. Pump #1 was found to be in the 'OFF' position, while Pump #2 was set to the 'AUTO' mode. Both pumps were operational when manually tested. The high level alarm operated when tested manually.
- 6) The west cell of the surface sand filters was in use at the time of the inspection, and the east cell was being rested. Both filter cells were snow covered, and contained a slight amount of dead vegetation. Sand in the filter cells should be kept free of solids and vegetative growth.
- 7) Effluent disinfection is accomplished by tablet chlorination and dechlorination units. The tablet chlorination unit is located in the contact tank. Chlorinated effluent is pumped up to the tablet dechlorination unit, which is located in the ground, outside of the contact tank. Both of the chlorination / dechlorination units had two tubes with caps, and contained no tablets. Disinfection is not required from November 1<sup>st</sup> through April 30<sup>th</sup>.
- 8) Effluent being discharged from the WWTP was visually clear and free of solids.

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

**LORAIN COUNTY EARLY LEARNING CENTER  
(FORMERLY W.CARLISLE ELEMENTARY)  
NPDES NO. 3PT00104  
EFFLUENT NUMERIC VIOLATIONS  
(MAR. 1, 2007 – JAN.1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2010	Total Suspended Solids	30D Conc	12	67.	3/1/2010
March 2010	Total Suspended Solids	1D Conc	18	67.	3/22/2010
March 2011	Total Suspended Solids	1D Conc	18	24.	3/3/2011
June 2011	Fecal Coliform	1D Conc	2000	2660.	6/9/2011

The facility owner should continue with all efforts that will enable the WWTP to consistently meet its NPDES Permit limits. Items indicated as needing to be maintained or repaired should be addressed as soon as possible. Please submit correspondence to this office when the repairs are completed.

Also, 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 West Carlisle Elementary School, with the owner's name specified as the Keystone Local School District. The NPDES permit renewal application indicates the facility name and owner is the Educational Service Center of Lorain County.

LORAIN COUNTY EARLY LEARNING CENTER  
JANUARY 13, 2012  
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**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.**

If there are any 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: Lorain County Health Dept.  
Attn: John Sabo

Enclosure