



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

October 20, 2009

RE: Summit County  
Copley Twp.  
Copley Arrowhead Elementary School  
1600 Raleigh Blvd.  
Compliance Evaluation Inspection  
Ohio EPA Permit No. 3PT00126\*AD

CERTIFIED MAIL

Mr. Steve Robinson  
Copley-Fairlawn City Schools  
3797 Ridgewood Road  
Copley, OH 44321

Dear Mr. Robinson:

On October 6, 2009, a Compliance Evaluation Inspection (CEI) was conducted at the wastewater treatment plant (WWTP) serving Arrowhead Elementary School. According to our files, the WWTP consists of a 750 gallon trash trap, 10,000 gpd extended aeration plant with a 2500 gallon settling tank, 818 gallon dosing chamber, 838 square foot surface sand filter, and 1300 gallon chlorination/dechlorination tank. The plant discharges to an unnamed tributary of Pigeon Creek. The basis of design of the plant was 667 students/faculty at 15 gpd each for a total of 10,000 gpd.

During the inspection, the WWTP appeared to be in good condition. The mixed liquor in the aeration tank was slightly dark in color, indicating that it may be time to waste solids from the system. The sludge return line and the skimmer return line were working properly. The surface sand filters were clean of solids and weeds, and the disinfection tank appeared to be clear of visible solids.

During the inspection, it was noted that several children were playing around the concrete covered storm sewer which is located in the grassy area between Raleigh Blvd. and the playground. This storm sewer probably contains the treated effluent from the school's WWTP. For health and safety reasons, it is recommended the children not play in the storm sewer.

Upon review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the plant from October 1, 2007 through October 1, 2009, the following effluent violations were noted:

Permit No	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PT00126*AD	001	Nitrogen, Ammonia (NH3	30D Conc	2.0	2.18	12/1/2007
3PT00126*AD	001	Total Suspended Solids	30D Conc	12	19.	1/1/2008
3PT00126*AD	001	Nitrogen, Ammonia (NH3	30D Conc	4.0	5.5	1/1/2008

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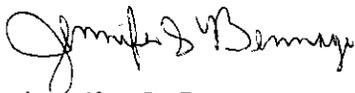
Permit No	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PT00126*AD	001	Total Suspended Solids	7D Conc	18	19.	1/22/2008
3PT00126*AD	001	Total Suspended Solids	30D Conc	12	37.	6/1/2008
3PT00126*AD	001	CBOD 5 day	30D Conc	10	13.	6/1/2008
3PT00126*AD	001	Total Suspended Solids	7D Conc	18	37.	6/22/2008
3PT00126*AD	001	Total Suspended Solids	30D Conc	12	15.	9/1/2008
3PT00126*AD	001	CBOD 5 day	30D Conc	10	12.	9/1/2008
3PT00126*AD	001	Total Suspended Solids	30D Conc	12	16.	3/1/2009
3PT00126*AD	001	Total Suspended Solids	30D Conc	12	16.	5/1/2009

Please be advised such instances of noncompliance are subject to enforcement pursuant to ORC 6111.

In conclusion, the wastewater treatment plant appeared to be in satisfactory operation and maintenance condition. Please note that your NPDES permit requires that after an effluent violation has occurred, the reason for the violation and the steps being taken to reduce, eliminate and/or prevent occurrence of the violation again should be submitted to this office in writing.

If you have any questions concerning this letter, please contact this office at (330) 963-1151.

Sincerely,



Jennifer S. Bennage  
Environmental Engineer  
Division of Surface Water

JSB/mt

cc: Summit County Health Department  
Denny White, Wastewater Treatment Plant Operator

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