



State of Ohio Environmental Protection Agency

Southwest District Office

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Dayton, Ohio 45402

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

February 22, 2008

Mr. Todd Rappold
Miami East High School
3825 North State Route 589
Casstown, Ohio 45312

RE: Miami East High School Waste Water Treatment Plant Reconnaissance Inspection.

Dear Mr. Rappold:

On February 21, 2008 a representative of the Ohio EPA (Mr. Joe Reynolds) conducted a Reconnaissance Inspection at the Miami East High School waste water treatment plant. The inspection was conducted as part of the National Pollutant Discharge Elimination System (NPDES) permit renewal process for the facility.

The inspection report is attached. There were no items that require a follow-up at this time. You will be receiving a draft NPDES permit (the renewal permit will remain draft for a period of 30 day to allow for public comment) in the near future. If you have questions, comments, or correction concerning the draft, you should contact the district (Joe Reynolds, 937 285 – 6097) during the 30 day comment period.

If you have any questions regarding the report, please feel free to contact Mr. Reynolds at the number above.

Sincerely,

Martyn Burt, Environmental Supervisor
Division of Surface Water

cc: Miami County Health Department
Daniel Ward, Plant Operator



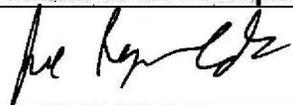
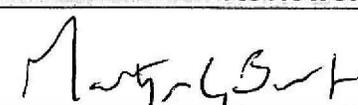
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NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PT00053	OH0072745	2/21/2008	R	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Miami East High School 3825 North State Route 589 Casstown, Ohio 45312	8:30 AM	11/1/2004
	Exit Time	Permit Expiration Date
	10:00 AM	3/31/2008
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Daniel Ward, Plant Manager	(937) 603 - 4637	
Name, Address and Title of Responsible Official	Phone Number	
Todd Rappold, Superintendent Miami East High School 3825 North State Route 589 Casstown, Ohio 45312	(937) 335 - 7505	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See attached.	
Inspector	Reviewer
 2/22/08	 2/25/08
Joe Reynolds Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Miami East High School Reconnaissance Inspection Findings

Today's inspection was part of the National Pollutant Discharge Elimination System (NPDES) renewal process for the school. The existing permit will expire on March 31, 2008.

Miami East Schools operate a K through 12 facility located at State Route 589 and Troy Urbana Road, Lost Creek Township. The facility is sized to serve a total of 645 elementary students, 631 high school students, and 77 staff.

On July 30, 2003 Permit to Install number 05 – 12809 was issued for a new 25,000 gpd waste water treatment system. The package waste water system is sized to serve both the new elementary school and the existing high school.

The new waste water system consist of a trash trap (2670 gallon), equalization tank (14,800 gallons), extended aeration (25,000 gallons), clarification (5,500 gallons), two fixed media filters (72 square feet total), dosing tank (800 gallons), two slow surface sand filters (25' 7" x 19' 7"0), tablet chlorination/dechlorination (1634 gallons), post aeration (790 gallons), and sludge holding (5,200 gallons).

The waste water treatment system is currently classified as a Class II treatment system. In accordance with the Ohio Administrative Code (OAC) rule 3745 – 7 – 04 and beginning with the next permit renewal (after December, 2008) the Miami East system will be reclassified as a Class A treatment system. Under this classification a minimum staffing (by a Class A operator) of two days per week, one hour per week total will be required.

Mr. Ward has been keeping operation and maintenance records in accordance with the requirements of OAC 3745 – 7 – 09 " Record keeping requirements and responsibilities of a certified operator". In order to document the total daily time spent at the plant the records must be expanded to include times in and times out.

Between January 2006 and December 2007 Miami East reported 3 final effluent total suspended solids violations, and 5 frequency violations. The frequency violations were attributable to time frame errors; the first half of the month is counted from days 1 to 14. The second half is days 15 to 28. The correct number of samples was collected, but not in the right time period. Mr. Ward has corrected this error.

Treatment System Inspection

The mixed liquor in the aeration tank was a chocolate brown. The return was chocolate brown. The tank was being uniformly mixed.

The clarifier had a minor amount of solids (ashing) on the surface. There were minor solids in the effluent trough.

Both up flow filters were on line. The tank was clear to the top of the filters. The filters are cleaned twice per year.

The tertiary dosing tank has two pumps in it. The pumps are set to automatically alternate.

Plant flows are estimated using dosing pump run times.

The tertiary filters were clean. No weeds, no ponding, and minor solids were noted.

The post aeration system was working. Dissolved oxygen readings of over 12 mg/l have been recorded.

There was no final effluent discharge at the time of the inspection. The water in the post aeration tank was clear to the bottom.