



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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50 W. Town St., Suite 700  
Columbus, Ohio 43215

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MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049



\*1PT0005320080814\*

MIAMI

MIAMI EAST HIGH SCHOOL

MILLER, JOSEPH

2008/08/14

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



State of Ohio Environmental Protection Agency

**Southwest District Office**

401 E. Fifth St.  
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249  
www.epa.state.oh.us

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

August 14, 2008

Miami East Local Schools  
3825 North State Route 589  
Casstown, OH 45312  
Todd Rappold, Superintendent

**RE: Compliance Evaluation Investigation (CEI)  
NOTICE OF VIOLATION  
Miami East Local Schools Wastewater Treatment Plant  
NPDES Permit 1PT00053\*ED/OH0072745  
Lost Creek Township, Miami County**

Dear Mr. Rappold,

On August 13, 2008, Jessica Burt and I conducted a Compliance Evaluation Investigation at the Bethel Local Schools wastewater treatment works. This inspection was conducted to determine compliance with the NPDES discharge permit.

Overall, the wastewater facility was rated as "Satisfactory". A detailed inspection report is attached.

I have reviewed the discharge monitoring reports for the period of January 2008 to June 2008 for the above referenced facility. One violation was reported during this period. A CBOD5 weekly concentration limit violation was reported on May 15, 2008. A non-compliance notification was submitted as required by the NPDES permit.

At the time of inspection, the maintenance worker did not have a key to open the gate at the wastewater plant. The area of the wastewater plant was overgrown with high weeds and small trees. This area should be kept clear. In order for the maintenance crew to maintain this area it is imperative that they have access.

Daily checks on the wastewater plant should be conducted by the maintenance staff. These checks should include observation of the wastewater effluent for color, odor, and turbidity. They should also take note of any problems with the wastewater treatment plant operations. These observations need to be noted in a log book maintained on-site so the wastewater operator can transfer the observations to the monitoring reports. If problems with the operation of the treatment plant are discovered, the wastewater operator will need to be contacted. Maintaining this log book is required by Ohio Administrative Code 3745-7-09.

Miami East Local Schools WWTP

August 14, 2008

Page 2 of 2

At this time, a response to this inspection is not necessary. If you have any questions, I can be reached at (937) 285-6109.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Miller". The signature is fluid and cursive, with the first name "Joe" being more prominent than the last name "Miller".

Joe Miller  
Division of Surface Water  
Compliance and Enforcement

CC: Miami County Health Department  
Dan Ward, Wastewater Operator

Permit #: 1PT00053\*ED  
 NPDES #: OH0072745



State of Ohio Environmental Protection Agency  
 Southwest District Office

NPDES Compliance Inspection Report  
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PT00053*ED	OH0072745	8/13/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Miami East Local Schools WWTP 3825 North State Route 589 Casstown, OH 45312	11:00 AM	June 1, 2008
	Exit Time	Permit Expiration Date
	11:35 AM	May 31, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
John Cooper, Maintenance	937-335-7505	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Dan Ward, Wastewater Operator	937-603-4637	
Name, Address and Title of Responsible Official	Phone Number	
Miami East Local School District Todd Rappold, Superintendent 3825 North State Route 589 Casstown, OH 45312	937-335-7505	

Ohio EPA Inspector		Ohio EPA Reviewer	
	8/14/08		8/14/08
Joe Miller Division of Surface Water Southwest District Office	Date	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office	Date

Permit #: 1PT00053\*ED  
 NPDES #: OH0072745

Average Daily Design Flow:	25,000 Gallons/Day
Plant Serves:	K-12 School complex
Average Daily Flow: (Period of Review):	6100 Gallons/Day (January 2008 to June 2008)
Method of flow monitoring:	Hour meter on dosing
Type of alarms for plant:	Visual

**Pretreatment**

Type of Pretreatment: **Trash Trap**  
 Does the Trash Trap need pumped: **Unknown**  
 Maintenance of pretreatment components is: **Not Checked**

**Comments/Status:**

**Secondary Treatment  
(Aeration)**

Color of sludge: **Light Brown**  
 Quality of Sludge: **Medium**  
 Foam: **None present**  
 Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is... **Satisfactory**

**Secondary Treatment  
(Settling)**

Clarity: **Clear**  
 Condition of Weir: **Satisfactory**  
 Weir is level: **Yes**  
 Effluent in weir: **Clear**  
 Clarifier walls need scraped: **Yes**

Overall maintenance of settling components is: **Satisfactory**

Permit # : 1PT00053\*ED  
 NPDES #: OH0072745

**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Subsurface</b>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Marginal**

Comments/Status: Sand filters should be level to prevent short-circuiting.  
Sludge should be removed from corners of sand filters and disposed of properly.  
A dumpster or similar is recommended for disposal on-site.

\_\_\_\_\_

**Sludge Handling/Storage/Disposal**

Hauler name: Unknown  
 Disposal Site: City of Troy WWTP  
 Sludge wasted from: Clarifer to sludge waste tank

Sludge drying beds: **No**                      Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Plant Discharge**

Discharge point is a: **Field tile**  
 Name of discharge point: **Middle Branch of Lost Creek via tile**  
 Discharge is visible: **No**                      Quality of Effluent: **Clear**

**Effluent Limit Violations Miami East Schools, January 2008 to June 2008**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	CBOD 5 day	7D Conc	15	17	5/15/2008



Ohio Environmental Protection Agency  
 Division of Drinking and Ground Waters  
 Operator Certification Unit

**Operator of Record (ORC) Notification Form**

Ohio Environmental Protection Agency  
 Division of Drinking and Ground Waters  
 Operator Certification Unit  
 50 West Town St, Suite 700  
 P.O. Box 1049  
 Columbus, OH 43216-1049

Phone: (614) 644-2752  
 1- 866 - 411-OPCT (6728)  
 Fax: (614) 644-2909  
 email: opcert@epa.state.oh.us  
 website: www.epa.state.oh.us/ddagw/opcert.html

**I. SYSTEM INFORMATION**

Name of System: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 PWS ID/NPDES Permit #: \_\_\_\_\_ STU # \_\_\_\_\_ Classification: \_\_\_\_\_  
 \_\_\_\_\_  
 Name of Facility Owner or Permittee, Title (Print) Facility Owner or Permittee (Signature)

**II. SYSTEM TYPE (Check only one of the following. Use additional sheets if necessary.)**

Public Water System (PWS)	Distribution System	Treatment Works	Collection System

**III. OPERATOR OF RECORD INFORMATION**

Add Additional(A), New (N) or Remove(R)	Name of Operator of Record	Certification Number & Expiration Date	I verify that I am the onsite certified operator responsible for the technical operation of the above referenced facility. (Signature of certified operator)*

\* A signature by an operator of record who is being removed is not required.  
 (Attach additional sheets if necessary.)

Amount of time an ORC spends onsite at the Facility: \_\_\_\_\_

For Internal Use Only	
Reviewed by: _____	Date of SDWIS update: _____
Date of Compliance Status Letter: _____	

JUNE 15, 2008

RECEIVED  
OHIO EPA

JUN 20 2008

Southwest District

MR. JOE MILLER  
OHIO EPA  
401 E. FIFTH ST.  
DAYTON, OHIO 45402-2911

DEAR MR. MILLER

I AM SENDING THIS LETTER AS A FOLLOW UP TO MY PHONE CALL, INFORMING SANDY LEIBFRITZ OF AN EFFLUENT CBOD VIOLATION AT THE MIAMI EAST HIGH SCHOOL WWTP. OUR WEEKLY LIMIT IS 15.0 mg/L, AND THE SAMPLE ON 5/20/08 WAS 17.0 mg/L. ALL OTHER PERAMETERS WERE WITHIN LIMITS.

I RECEIVED MY REPORT FROM TESTAMERICA ON 6/4/08. I HAD ALREADY COLLECTED MY JUNE SAMPLES AND THEY WERE REPORTED AS LESS THAN DETECTABLE LIMITS.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL ME AT 937-603-4637

SINCERLEY,



DANIEL L WARD





State of Ohio Environmental Protection Agency

**Southwest District Office**

401 E. Fifth St.  
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249  
www.epa.state.oh.us

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.**

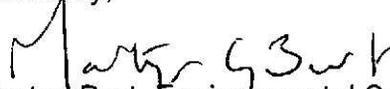
Dear Mr. Rappold:

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





State of Ohio Environmental Protection Agency  
Southwest District Office

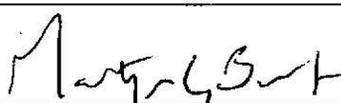
NPDES Compliance Inspection Report

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



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## 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.

