



Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



1PT0009520080821

DARKE | MISSISSINAWA VALLEY LOCAL SCH DIST OFFICE | MILLER, JOSEPH | 2008/08/21



State of Ohio Environmental Protection Agency

Southwest District Office

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

August 21, 2008

Mississinawa Local Schools
1469 State Route 47
Union City, OH 45390
Joe Scholler, Superintendent

**RE: Compliance Evaluation Investigation (CEI)
NOTICE OF VIOLATION
Mississinawa Local Schools Wastewater Treatment Plant
NPDES Permit 1PT00095*BD/OH0127434
Jackson Township, Darke County**

Dear Mr. Scholler,

On August 19, 2008, Laura Pohlman and I conducted a Compliance Evaluation Investigation at the Mississinawa Local Schools wastewater treatment works. Richard Yount represented the school during this inspection. This inspection was conducted to determine compliance with the NPDES discharge permit.

Overall, the wastewater facility was rated as "Satisfactory", however a number of items were noted that require attention. Effluent sampling methodology needs to be corrected. Deficiencies in how the samples are collected and analyzed were noted during the inspection and are described below. A detailed inspection report is attached.

The following items were noted during the inspection:

1. No discharge coding – This inspection was conducted a week prior to the start of the school year. As such, there was no discharge from the wastewater plant due to minimal generation of wastewater. The school, however, has been sampling and reporting during this period of time. When there is no discharge from the wastewater plant, sampling is not required. If there is no discharge flow from the wastewater plant, record an "AC" on the eDMR reports along with an explanation of "no discharge". If there is no discharge for an entire month, check the box on the eDMR to that effect.
2. Temperature monitoring – The thermometer used to record temperature was broken. Replace the thermometer in order to provide accurate temperature data.
3. pH monitoring – Currently, pH is taken by your contract laboratory in sample collection bottles. Your pH sampling needs to be taken immediately after collection. The school district should either have a pH meter on-site or your contract operator

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will need to bring one during weekly checks. A pH meter needs to be calibrated before each use.

4. Dissolved oxygen monitoring – Dissolved oxygen can also be taken with an on-site meter. If dissolved oxygen samples are being sent off-site, they need to be fixed on-site and stored in the dark for analysis by the Winkler method. Otherwise, dissolved samples need to be analyzed immediately with an on-site probe.
5. Holding times and refrigeration – Make sure all samples meet the required holding times and preservation requirements as per 40 CFR 136. Fecal Coliform should be stored at 4 degrees Celsius for a maximum of six hours following collection in a bottle with the proper preservative. Ammonia and CBOD5 samples also need to be stored at 4 degrees Celsius.
6. Sand filter cleaning – Vegetation growing on the sand filters needs to be cleared.
7. Flow meter – The flow meter was installed on the treatment system. Flows reported in May 2008 approached 100,000 gallons per day. Check for decimal point error.
8. Effluent violation- I have reviewed the discharge monitoring reports for the period of September 2007 to July 2008 for the above referenced facility. One violation was reported during this period. A total residual chlorine weekly concentration limit violation was reported on October 15, 2007. These violations are required to be reported in accordance with Part III, Item 12, "Noncompliance notification" of the NPDES permit.

Provide a response to this inspection by **September 19, 2008**, detailing the corrections to be made to the sampling program and describe what measures are to be taken to address the above referenced items. A copy of the sampling methodology needs to be maintained on-site for reference. All staff involved in the sampling of the wastewater plant need to be trained on these methods. If you have any questions, I can be reached at (937) 285-6109.

Sincerely,



Joe Miller
Division of Surface Water
Compliance and Enforcement

CC: Darke County Health Department
Michael Niekamp, Wastewater Operator
Ron Stiver and Richard Yount, Mississinawa Schools Maintenance

Permit #: 1PT00095*BD
 NPDES #: OH0127434



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
1PT00095*BD	OH0127434	8/19/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Mississinawa Local Schools WWTP 1469 State Route 47 Union City, OH 45390	12:45 PM	February 1, 2008
	Exit Time	Permit Expiration Date
	1:35 PM	January 31, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Richard Yount, Maintenance	937-968-4236	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Mike Niekamp, Wastewater Operator		
Name, Address and Title of Responsible Official	Phone Number	
Mississinawa Local School District Joe Scholler, Superintendent 1469 State Route 47 Union City, OH 45390	937-968-5656	

Ohio EPA Inspector		Ohio EPA Reviewer	
	8/21/08		8/22/08
Joe Miller Division of Surface Water Southwest District Office	Date	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office	Date

Permit # : 1PT00095*BD
 NPDES # : OH0127434

Average Daily Design Flow:	19,820 Gallons/Day
Plant Serves:	K-12 School complex
Average Daily Flow (Period of Review):	19,800 Gallons/Day* (Check for error) (December 2007 to July 2008)
Method of flow monitoring:	Flow Totalizer
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 checked="" 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 # : 1PT00095*BD
 NPDES #: OH0127434

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<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 checked="" type="checkbox"/>	<input 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: **Satisfactory**

Comments/Status: Sand filters should be cleaned of vegetation.

Sludge Handling/Storage Disposal

Hauler name: Todd Frech (trash trap only)
 Disposal Site: unknown
 Sludge wasted from: Not wasted since plant inception

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

Overall maintenance of components is: **Satisfactory**

Comments/Status: Sludge holding tank should be used to waste sludge as necessary. Process controls to determine when sludge should be wasted should be conducted (i.e. settleability, sludge judge, etc.)

Plant Discharge

Discharge point is a: **Field tile**
 Name of discharge point: **unnamed tributary of the South Fork of the Stillwater River**
 Discharge is visible: **No** Quality of Effluent: **Clear**

Effluent Limit Violation Mississinawa Schools, September 2007 to July 2008

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2007	Chlorine, Total Residu	1D Conc	0.019	.087	10/16/2007

