



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

August 6, 2013

Mr. Steve Mascho  
Fairlawn Local School District  
18800 Johnston Road  
Sidney, Ohio 45365

**RE: Fairlawn High School, NPDES No. 1PT00103\*CD/OH0131962  
Compliance Evaluation Inspection, Notice of Violation – Shelby County**

Dear Mr. Mascho:

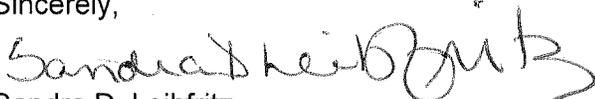
On July 26, 2013, I conducted an inspection at Fairlawn High School located at 18800 Johnston Road, Sidney, Ohio. Mark Ward was representing the school. The plant discharge was rated as unsatisfactory due to significant violations reported on Fairlawn's eDMRs. All other areas that were evaluated were rated as satisfactory. Details on the rating may be found in the enclosed inspection report.

I have been in contact with your operator in responsible charge, Brian Schultz. Mr. Schultz reports that final effluent violations for total suspended solids are caused by the dechlorination tablets. He also reports that the installation of the uv disinfection system should reduce the final effluent violations. To address the ammonia violations, it is my understanding that your operators adjust alkalinity to aid in the removal of ammonia. How are the CBOD<sub>5</sub> violations being addressed? Please be advised that Fairlawn WWTP remains in significant noncompliance and is subject to enforcement action.

On August 31, 2012, Fairlawn received a PTI (No. 886760) approval for replacing the chlorination/dechlorination system with uv disinfection system. Due to the cost of the uv system that was approved, Fairlawn is investigating a different uv system that may or may not require submittal of another PTI application and detail plans. To ensure that you are complying with Ohio Revised Code 6111.44/6111.45, please have your engineer contact us. Please be advised that this PTI expires on February 28, 2014.

If you should have any questions about the inspection, please call me at (937) 285-6104.

Sincerely,

  
Sandra D. Leibfritz  
Environmental Specialist  
Division of Surface Water

SD/kb

ec: Kent Topp, Shelby County Health Department  
Matt Dankworth, Fairlawn Local School District

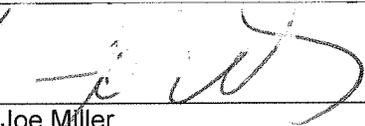


State of Ohio Environmental Protection Agency  
Southwest District Office

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
1PT00103*CD	OH0131962	07/26/2013	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Fairlawn High School 18800 Johnston Road Sidney, OH 45365	1:00 PM	September 1, 2012
	Exit Time	Permit Expiration Date
	2:00 PM	August 31, 2017
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mark Ward, Fairlawn Maintenance	(937) 492-5930	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Brian Schultz schultz_env@woh.rr.com	937.622.2083	
Name, Address and Title of Responsible Official	Phone Number	
Steve Mascho Fairlawn Local School District 18800 Johnston Road Sidney, Ohio 45365	(937) 492-5930	

Ohio EPA Inspector	Ohio EPA Reviewer
 Sandra D. Leibfritz Division of Surface Water Southwest District Office Date	 Joe Miller Permits Supervisor Division of Surface Water Southwest District Office Date

Average Daily Design Flow:	<b>0.01 MGD</b>
Plant Serves:	<b>730 students &amp; staff</b>
Average Daily Flow: (Period of Review):	<b>0.0028 MGD (September 2012 through June 2013)</b>
Method of flow monitoring:	<b>Hour meters</b>
Type of alarms for plant:	<b>Visual</b>

**Comments/Status:**

-The WWTP consists of a trash trap, an equalization basin, extended aeration, clarification, upflow filters, dosing chamber, slow surface sand filters, chlorinator and post aeration.  
 -Fairlawn has a PTI (No.886760) approved for replacing chlorination/dechlorination system with uv disinfection. The PTI was approved on August 31, 2012. Fairlawn received a cost estimate in excess of \$40,000. They are working with another vendor that has quoted a cost of \$8,000. The existing PTI (No. 886760 expires in February 2014.

**Pretreatment**

Type of Pretreatment: **Trash Trap**  
 Does the Trash Trap need pumped: **No**  
 Maintenance of pretreatment components is: **Satisfactory**

**Comments/Status:**

The trash trap was pumped out in July 2013 by Mike's Sanitation.

**Equalization Basin**

Two Pumps present: **Yes**  
 Both Pumps operational: **Yes**  
 Alarm present: **Yes**  
 Alarm operational: **Yes**  
 Maintenance of equalization basin is: **Satisfactory**

**Comments/Status:**

Aeration was occurring in the equalization (EQ) basin. There is a dedicated blower to the EQ basin.

**Secondary Treatment  
(Aeration)**

Color of sludge: **Medium 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 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input 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 - good	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

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

**Comments/Status:**

There are two blowers that are automatically alternated.

**Secondary Treatment  
(Settling)**

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

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

**Comments/Status:**

There are two clarifiers in series. The effluent in the 2<sup>nd</sup> clarifier (upflow) was clear.

**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 checked="" 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"/>	Cl <sub>2</sub> /deCl <sub>2</sub> present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

There are 2 dosing pumps with a visual alarm. Both were operational. Post-aeration was occurring.

**Sludge Handling/Storage Disposal**

Hauler name: **Mike's Sanitation**  
Disposal Site: **Mike's Sanitation**  
Sludge wasted from: **Clarifier**  
How often is sludge wasted: **Based on settleometer test.**  
Sludge drying beds: **No**                      Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

**Plant Discharge**

Discharge point is a: **Stream**  
Name of discharge point: **unnamed tributary to Mosquito Creek**  
Discharge is visible: **Yes**                      Quality of Effluent: **No Discharge**

**Comments/Status:**

Flows are low due to summer break. There was no discharge to the creek during the inspection, but the effluent in the upflow clarifier was clear. Due to significant violations reported on Fairlawn's eDMR, the plant discharge is rated as unsatisfactory.

**Record Keeping/Operator of Record**

- (a) Wastewater treatment Works Classification (OAC 3745-7).....A
- (b) Operator of Record holds unexpired license of class required by NPDES permit .....Y
- (c) Copy of certificate of Operator of Record displayed on site?.....Y
- (d) Has the Operator of Record submitted an ORC notification form?.....Y
- (e) Minimum operator staffing hours fulfilled? .....N/E
- (f) Operat or of Record logbook provided?.....Y
- (g) Format of logbook (e.g. computer log, hard bound book etc.)  

There are 2 log books. Both are hardbound. One is the operator log and the other is an O&M book.
- (h) Logbook kept onsite in an area protected from weather.....Y
- (i) Logbook contains each of the following:
  - a. Identification of treatment works.....Y
  - b. Dates and times of arrival and departure of OR and any other operator.....Y
  - c. Daily record of operator and maintenance activities including preventative maintenance, repairs, process control tests etc.....Y

- d. Laboratory analysis results  
 unless documented on bench sheets.....N
- e. Identification of person making entries.....Y
- (j) Has the operator of record submitted written notifications to the permittee and Ohio EPA when a collection system overflow, treatment plant bypass or effluent limit violation has occurred?.....Y

**Comments/Status:**

A comprehensive laboratory inspection was not conducted.

**EFFLUENT LIMIT VIOLATIONS**

7D = Weekly    30D = Monthly    1D = Daily    Conc. = Concentration (mg/l)    Qty. = Quantity (Kg/Day)

Fairlawn WWTP Outfall 1PT00103001 During the period from June 2012 through June 2013					
Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2012	Total Suspended Solids	30D Conc	12	13.05	2/1/2012
February 2012	CBOD 5 day	30D Conc	10	10.7	2/1/2012
March 2012	Total Suspended Solids	7D Conc	18	19.	3/8/2012
March 2012	Total Suspended Solids	30D Conc	12	15.95	3/1/2012
March 2012	Total Suspended Solids	7D Conc	18	24.	3/22/2012
August 2012	Total Suspended Solids	30D Conc	12	15.	8/1/2012
September 2012	CBOD 5 day	30D Conc	10	25.	9/1/2012
September 2012	CBOD 5 day	7D Conc	15	38.	9/22/2012
November 2012	Total Suspended Solids	30D Conc	12	22.	11/1/2012
November 2012	Total Suspended Solids	7D Conc	18	27.	11/22/2012
December 2012	Total Suspended Solids	30D Conc	12	41.	12/1/2012
December 2012	Total Suspended Solids	7D Conc	18	41.	12/8/2012
December 2012	CBOD 5 day	30D Conc	10	18.	12/1/2012
December 2012	CBOD 5 day	7D Conc	15	18.	12/8/2012
January 2013	Total Suspended Solids	30D Conc	12	24.	1/1/2013
January 2013	Total Suspended Solids	7D Conc	18	24.	1/15/2013
February 2013	Dissolved Oxygen	1D Conc	6.0	5.7	2/7/2013
February 2013	Nitrogen, Ammonia (NH3	30D Conc	3.0	12.	2/1/2013
February 2013	Nitrogen, Ammonia (NH3	7D Conc	4.5	12.	2/1/2013
February 2013	CBOD 5 day	30D Conc	10	20.	2/1/2013
February 2013	CBOD 5 day	7D Conc	15	20.	2/1/2013
March 2013	Total Suspended Solids	30D Conc	12	13.	3/1/2013
March 2013	CBOD 5 day	30D Conc	10	19.	3/1/2013
March 2013	CBOD 5 day	7D Conc	15	19.	3/22/2013
May 2013	Total Suspended Solids	30D Conc	12	100.	5/1/2013
May 2013	Total Suspended Solids	7D Conc	18	100.	5/22/2013
June 2013	Total Suspended Solids	30D Conc	12	22.	6/1/2013
June 2013	Total Suspended Solids	7D Conc	18	22.	6/8/2013