



**Environmental
Protection Agency**

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

Re: Ashland County
Hillsdale High School
NPDES Permit

April 17, 2012

Mr. Joel Rosco, Superintendent
Hillsdale Schools
485 Township Road 1902
Jeromesville, Ohio 44840

Dear Mr. Rosco:

On March 13, 2012, an inspection was conducted of the wastewater treatment facilities serving the Hillsdale High School located at 485 Township Road 1902, Ashland County. At the time of inspection, the improvements to the treatment plant were complete and all of the new processes were in operation except for the UV disinfection system.

The UV system should be made operable no later than April 30, 2012. Beginning on May 1, 2012, the UV system is required to be in operation, per the conditions of your NPDES permit. The new plant appears to be performing very well, as evidenced by a very clear discharge from the treatment plant. We recommend that the crane located on the sand filter dosing station be stored inside the blower shed. This will keep the crane cable and spool from rusting.

The operator's log book was reviewed and found to be acceptable. It was noted in the log that the ultrasonic flow meter on the effluent is still not operable. The flow is currently being estimated by the operator going out and measuring the level in the parshall flume. We recommend that until the ultrasonic meter and recorder are operable, the hour run meters on the sand filter dosing pumps be used to estimate the daily flow. This would be a much better estimation of the flow than the approach currently being used.

Our office has received the discharge monitoring reports submitted for the months of October 2011 through February 2012. A review of this data revealed one violation for exceeding the fecal coliform limit in your NPDES permit in the October 2011 sample.

A completed copy of our inspection report has been enclosed for your review. Please contact me at 419-373-3070 with any questions.

Sincerely,

Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm
Enclosure
ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00269

Facility Name Hillsdale High School Expiration Date 10/31/2014
 Facility Address 485 TR 1902 Date 5/13/12 Time 2:15 am
 City Decomesville County Ashland Township _____
 Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 10,000 GPD Present ? GPD (metered estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 68° sun

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: unnamed trib Quarter Springs Run

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has X excellent _____ good _____ fair _____ poor operation
 b. Plant has X excellent _____ good _____ fair _____ poor maintenance
 c. Sand filters have X excellent _____ good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)	
IN	OUT
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____ X	_____ U.V. <u>needs to be operable May 1</u>

Yes No

4. X _____ Compliance with NPDES Permit: _____

Periodic Violations X _____ N _____ Parameters: Fecal

Chronic Violations _____

5. X _____ Adequate plant safety

6. X _____ Operation and Maintenance Service Name Marc Morgan

Frequency of Visits 2/week

Facility Name: Hillsdale High School

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: ?
	X	Grease Trap	Pumping Frequency: <u>close to kitchen</u>
		Bar Screen	
		Comminutor	
Aeration Equipment	X	Flow Equalization	<u>okay</u>
	X	Plant Timer <u>Y</u> <u>X</u> N Motor/ Blower Unit <u>running</u>	Cycle Time: <u>Blowers okay</u>
Secondary Treatment	X	Aeration Tank	Color: <u>good color</u> Adequate Aeration: Y <u>X</u> N
Final Settling	X	Clarifier	<u>very, very clear</u>
	X	Sludge Return	In <u>X</u> Out
	X	Surface Skimmer	In <u>X</u> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Both beds very clean</u> <u>South bed in use</u>
		Polishing Pond	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	<u>not installed yet</u>
Flow Metering		Elapsed Pump Time	
	X	Recorder (continuous total)	<u>not operable</u> - <u>use filter dosing hour meters</u>
Pumps	X	Raw Wastewater (Type) <u>Flow EQ</u>	<u>okay</u>
	X	Sand Filter Effluent Dosing	<u>okay - store spare inside</u>
Sludge Handling	X	Aerated Storage Tank	<u>okay</u>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<u>in - very clear</u>
		Spray Irrigation	
		Other	