



Environmental
Protection Agency

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

Re: **Notice of Violation**
Hardin County
Hardin Northern Local Schools
NPDES Permit

February 15, 2011

Board of Education
Hardin Northern Local Schools
11589 State Route 81
Dola, Ohio 45835

Dear Board of Education:

On February 8, 2011, a National Pollutant Discharge Elimination System (NPDES) Permit Compliance Inspection was conducted on the wastewater treatment system serving the Hardin Northern School. Mr. Brian Webb was present and provided information regarding operation of the wastewater treatment plant.

During our visit, all treatment units, except chlorination/de-chlorination, were in operation. The contents of the clarifier were turbid. There was no discharge from the plant during the inspection. No samples were collected to determine compliance with NPDES permit limitations.

As discussed with Mr. Webb, Hardin Northern Local Schools is considered to be in Significant Non-Compliance with NPDES permit limits for ammonia (NH_3), CBOD_5 , and total suspended solids, suggesting to us that escalated enforcement action is warranted to achieve compliance. We provided Mr. Webb with a troubleshooting guide for ammonia violations. We also suggested that he contact Mr. Jon van Dommelen of our Compliance Assistance Unit at (614)644-2011. Information about this service can be found on Ohio EPA's webpage at: http://epa.ohio.gov/dsw/compl_assist/compasst.aspx.

Operator Certification rules outlined in Ohio Administrative Code (OAC) 3745-7 became effective on December 21, 2006. Record keeping requirements and responsibilities of a certified operator (OAC 3745-7-09) were effective at that time. Portions of these record keeping requirements require documentation of all operation and maintenance activities on the collection system and wastewater treatment plant to be developed and maintained. The required documentation includes, but is not limited to: dates and times of arrival and departure for the operator of record and preventative maintenance logs for all plant and collection system components. The records must be kept up to date, contain a minimum of three months data at all times, and be maintained on site for at least three years. **These record keeping requirements must be implemented immediately.**

Board of Education
February 15, 2011
Page Two

Please inform this office in writing, within 21 days, as to the actions that will be taken to address these violations. Your response should include the dates, either actual or proposed, for completion of the actions. Please be advised that failure to comply with the effluent limitations and/or monitoring requirements, including adequate laboratory controls, appropriate quality assurance procedures, and records retention, as specified in your Part III-General conditions of your NPDES permit may be cause for enforcement action pursuant to Ohio Revised Code, Chapter 6111. If these violations continue to occur and if satisfactory progress is not made, it may be necessary to initiate enforcement action to achieve compliance.

Our completed inspection report is enclosed for your records. If you have any questions, please contact me at (419)373-3008.

Sincerely,



Thomas Poffenbarger, P.E.
District Engineer
Division of Surface Water

/cs

Enclosure

pc: Mr. Brian Webb, Hardin Northern Local Schools w/enclosure
DSW=NWDO:File:w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PT00043

Facility Name Hardin Northern Local Schools Expiration Date December 31, 2013

Facility Address 11589 SR 81, Dola, OH 45835 Date 2/3/11 Time 12:30 am (pm)

City _____ County Hardin Township Washington

Name and Address of Owner Hardin Local Schools, Board of Education, 11589 SR 81, Dola, OH 45835

Person Contacted Mr. Brian Webb Owner Phone 419-759-2331

Flow: Design 10,000 GPD Present 1900 GPD (metered (estimated))

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 20° Sunny

OEPA Personnel Thomas Poffenbarger, P.E. District NWDO

1. Plant Effluent - Mark Severity No. No Discharge

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		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 tributary to Stallow Run

NOT OBSERVED

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

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

d. Not operating at expected efficiency due to:

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

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

Yes No

4. X Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations X _____ TSS, CBOD, Ammonia

5. X Adequate plant safety

6. X Operation and Maintenance Service Name Mr. Brian Webb

Frequency of Visits Daily ~ 1/2 hr per Day

Facility Name: Hardin Northern School

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: Once per year
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	2	Flow Equalization	Aerated ~ 12 hrs/day
Aeration Equipment	3	Plant Timer <u>X</u> <u>Y</u> <u> </u> <u>N</u>	Cycle Time: 12 hrs / day
		Motor/ Blower Unit	
Secondary Treatment	2	Aeration Tank	Color : Dark Brown Adequate Aeration: <u>Y</u> <u>X</u> <u>N</u> <u> </u>
Final Settling	1	Clarifier	Turbid effluent
	2	Sludge Return	In <u>X</u> Out
	1	Surface Skimmer	In <u>X</u> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	One Frozen, one in operation
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	out for winter
	1	Dechlorination Tube Feeder	out for summer
		Ultraviolet (UV)	
Flow Metering	<u>X</u>	Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	1	Post Aeration	
		Spray Irrigation	
		Other	