



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

Re: **Notice of Violation**
Hardin County
Hardin Northern School
NPDES Permit

March 6, 2013

Mr. Brian Webb
Hardin Northern Local Schools
11589 State Route 81
Dola, Ohio 45835

Dear Mr. Webb:

On February 28, 2013, Ms. Jessica Heitman and I conducted an inspection at the Hardin Northern Schools wastewater treatment plant (WWTP). You were present and provided information on operation and maintenance of the wastewater treatment system. At the time of inspection, all of the major treatment units at the WWTP were in service and the effluent from the WWTP was clear, colorless, and had no noticeable odor.

A review of the discharge monitoring reports (DMRs) from May 2012 to February 2013 shows that there have been several effluent limit violations. The specific instances of non-compliance are enclosed on a separate sheet. You submitted documentation in regard to the violations, noting that propylene glycol leaked out of a broken chiller line in the mechanical room and then flowed into the floor drains to the sanitary sewer. I understand that you are continuing to investigate the location of the leak.

We discussed that you conducted a dye test and were unable to identify the location of the plant effluent to the stream. Part II, Item K of your National Pollutant Discharge Elimination System (NPDES) permit requires that a permanent marker be placed on the stream bank to identify your outfall. At this time, in order to remain in compliance with your permit, a marker should be placed where the discharge pipe leaves the school property line until the location of the outfall at the stream bank can be determined.

Our completed inspection report is enclosed. If you have any questions, please contact me at (419) 373-3053.

Sincerely,

Peggy B. Christie
Division of Surface Water

/jlm

Enclosures

pc: Hardin Northern School, Board of Education

ec: Inspection Tracking



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding

Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PT00043	OH0138487	02/28/2013	C	S	2

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Hardin Northern Local Schools 11589 State Route 81 Dola, OR 45835	9:00 AM	01/01/2009
	Exit Time	Permit Expiration Date
	9:45 AM	12/31/2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Brian Webb	419-759-2331 ext 1218	
Name, Address and Title of Responsible Official	Phone Number	
Hardin Northern Local Schools 11589 State Route 81 Dora, OH, 45835	419-759-2331	

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	S	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)

The wastewater treatment plant experience two upsets due to an propylene glycol spill to the sewer. Brian has turned off the propylene glycol tank to prevent future spills and plans on isolating the tank to investigate where the leak is occurring. One dye test to identify the outfall location in the stream proved unsuccessful. Brian plans on conducting more dye tests to find the outfall. No signage is posted because of this.

Inspector

Reviewer

Peggy B. Christie 3/4/13
Date

Thomas Poffbarger 3/4/13
Date

Peggy B. Christie
Division of Surface Water
Northwest District Office

Thomas Poffenbarger, P.E.
Water Quality Engineer II/Unit Supervisor
Division of Surface Water
Northwest District Office

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PT00043

Facility Name Hardin Northern Local Schools Expiration Date December 31, 2013
 Facility Location 11589 State Route 81 Date 2/28/13 Time 9 am pm
 City Dola, 45835 County Hardin Township Washington
 Name of Owner Hardin Northern Local School Owner Phone 419-759-2237
 Person Contacted Mr. Brian Webb Operator of Record Brian Webb
 Flow: Design 10,000 GPD WWTP Classification: X A or 1
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 33° Snow
 OEPA Personnel Peggy Christie and Jessica Heitman District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	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: Not observed

None	Mild	Moderate	Serious

3. a. Plant has _____ excellent good _____ fair _____ poor _____ operation
 b. Plant has _____ excellent good _____ fair _____ poor _____ maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor _____ maintenance- N/A

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
_____	<input checked="" type="checkbox"/>
_____	_____
_____	_____

Chlorination Tablets
 Dechlorination Tablets
 Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: May 1, 2012 to Feb. 1, 2013

Periodic Violations N Parameters: _____

Chronic Violations _____

5. O & M logbook kept and available on site: Location Brian's office

6. Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)
 (Class I - 3 days per week for minimum 1.5 hours per week)

7. Adequate Plant Safety: Deficiencies _____

Facility Name: Hardin Northern Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency <u>1/year</u>
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	2	Flow Equalization	Aerated 4 hrs/day
Aeration Equipment	2	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <u>1/2 hr on - 1 1/2 hrs off</u>
		Motor / Blower Unit	Total of 8 hours on
Secondary Treatment	2	Aeration Tank	Color: <u>Brown Somewhat</u> Adequate Aeration Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Foam
Final Settling	1	Clarifier	weir clean - water very slightly turbid
	2	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/> when
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/> aerating
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	Currently using South filter
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	Pumped 1/year
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal PDTW	
		Landfill	
		Land Application	
Advanced Treatment	1	Post Aeration	
		Spray Irrigation	
		Other	

Had a spill of Ethylene Glycol to the sewer

Hardin Northern Schools NPDES # 2PT00043

Limit Violations from 5/1/2012 through 2/1/2013

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2012	Fecal Coliform	7D Conc	2000	2200.	7/1/2012
August 2012	CBOD 5 day	30D Conc	10	12.	8/1/2012
December 2012	Total Suspended Solids	30D Conc	12	51.8	12/1/2012
December 2012	Total Suspended Solids	7D Conc	18	96.	12/1/2012
December 2012	Nitrogen, Ammonia (NH3)	30D Conc	3.0	12.815	12/1/2012
December 2012	Nitrogen, Ammonia (NH3)	7D Conc	4.5	17.	12/1/2012
December 2012	CBOD 5 day	30D Conc	10	135.	12/1/2012
December 2012	CBOD 5 day	7D Conc	15	270.	12/1/2012
December 2012	CBOD 5 day	30D Qty	0.4	.61317	12/1/2012
December 2012	CBOD 5 day	7D Qty	0.6	1.22634	12/1/2012
December 2012	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.63	12/15/2012
January 2013	Nitrogen, Ammonia (NH3)	30D Conc	3.0	9.41	1/1/2013
January 2013	Nitrogen, Ammonia (NH3)	7D Conc	4.5	11.3	1/1/2013
January 2013	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.52	1/22/2013