



**Environmental
Protection Agency**

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

Re: Marion County
Elgin High School
NPDES Permit

February 17, 2012

Mr. Bruce Gast, Superintendent
Elgin Local Schools
4616 LaRue-Prospect Road West
Marion, Ohio 43302-8859

Dear Mr. Gast:

This will acknowledge our February 9, 2012, inspection of the sewage treatment plant serving Elgin High School. The school is located at 1239 Keener Road in Big Island Township, Marion County, Ohio. This inspection was conducted to evaluate compliance with your facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PT00052*AD.

At the time of the inspection, the sewage treatment facility was in operation. The contents in the aeration tanks were brown with good roll. The final discharge from the plant was visually clear.

Your current NPDES permit will expire on December 31, 2012, and this permit (Part I, Item C) requires Elgin Local Schools to comply with an implementation schedule to install either a new treatment plant or a new sanitary sewer extension. On June 22, 2011, the Permit-to-Install Application (No. 812987) for a new sanitary sewer extension was approved. We understand that the construction for this sewer project is due to begin shortly and the completion for this project is slated for November 2012. Once this sewer extension project is complete this fall, your NPDES permit No. 2PT00052*AD will be revoked.

Our review of your discharge monitoring reports (11/1/2010 to 2/1/2012) for this facility indicated some effluent violations. Please refer to the enclosed violation table. Our completed inspection form is enclosed for your review. Should you have any questions, please contact me at 419-373-3021.

Yours truly,

Jason Ko
Division of Surface Water

/jlm

Enclosures

pc: Marion County Health Department
ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2PT00052

Facility Name: Elgin High School Expiration Date: December 31, 2012

Facility Address: 1239 Keener Road South Date: 2/9/2012 Time: 1:00 pm

City: Marion County: Marion Township: Big Island

Name and Address of Owner: Elgin Local Schools, 4616 LaRue-Prospect Road, Marion, Ohio

Person Contacted: Dan Gilliam (Maintenance Supervisor) & Wes Craft (WW Operator) Owner Phone: (740) 382-1101

Flow Design: 15,000 GPD Present 2,000 GPD (estimated)

Trib. Pop. 400 (estimated) Weather at time of inspection: Temp 35°F - clear

OEPA Personnel: Jason Ko 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

Effect of effluent on Receiving Stream Name: 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 X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

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

Disinfection: (Required May 1 thru Oct.31.)

IN OUT
 _____ Chlorination Tablets
 _____ Dechlorination Tablets
 _____ U.V

4. Yes X No _____ Compliance with NPDES Permit Periodic Violations X _____ Parameters: see violation table
 5. X _____ Adequate Plant Safety Chronic Violation _____
 6. X _____ Operation and Maintenance Service Name: Wes Craft

Frequency of Visits 1/week

Facility Name: Elgin HS

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/yr
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	1	Plant Timer <u>X</u> <u>Y</u> <u> </u> <u>N</u> Motor/ Blower Unit	Cycle Time: "ON" 24 hours
Secondary Treatment	5	Aeration Tanks	Color : Brown; good roll Adequate Aeration: Y <u>X</u> N <u> </u>
Final Settling	1	Clarifier	w/ 1 hopper
	1	Sludge Return	In <u>X</u> Out <u> </u>
	1	Surface Skimmer	In <u>X</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	Haul to City of Marion
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00052*AD	January 2011	001	00530	Total Suspended Solids	30D Conc	12	35.	1/1/2011
2PT00052*AD	January 2011	001	00530	Total Suspended Solids	1D Conc	18	35.	1/6/2011
2PT00052*AD	February 2011	001	00530	Total Suspended Solids	30D Conc	12	27.	2/1/2011
2PT00052*AD	February 2011	001	00530	Total Suspended Solids	1D Conc	18	27.	2/3/2011
2PT00052*AD	March 2011	001	00300	Dissolved Oxygen	1D Conc	6.0	3.	3/10/2011
2PT00052*AD	July 2011	001	00530	Total Suspended Solids	30D Conc	12	15.	7/1/2011
2PT00052*AD	July 2011	001	31616	Fecal Coliform	30D Conc	1000	1900.	7/1/2011
2PT00052*AD	October 2011	001	00530	Total Suspended Solids	30D Conc	12	26.	10/1/2011
2PT00052*AD	October 2011	001	31616	Fecal Coliform	30D Conc	1000	1600.	10/1/2011
2PT00052*AD	October 2011	001	00530	Total Suspended Solids	1D Conc	18	26.	10/6/2011
2PT00052*AD	November 2011	001	00530	Total Suspended Solids	30D Conc	12	58.	11/1/2011
2PT00052*AD	November 2011	001	80082	CBOD 5 day	30D Conc	10	12.	11/1/2011
2PT00052*AD	November 2011	001	00530	Total Suspended Solids	1D Conc	18	58.	11/3/2011
2PT00052*AD	January 2012	001	00530	Total Suspended Solids	30D Conc	12	18.	1/1/2012