



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



1PT0008820090910

CHAMPAIGN GRAHAM HIGH SCHOOL

REYNOLDS, JOSEP 2009/09/10



State of Ohio Environmental Protection Agency

401 East Fifth Street
Dayton, Ohio 45402-2911

Southwest District Office
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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

September 9, 2009

Mr. James Zerkle, Superintendent
370 East Main Street
Saint Paris, Ohio 43072

**RE: Graham High School, Reconnaissance Inspection, NPDES Permit No.
1PT00088*BD/OH0123293, Champaign County**

Dear Mr. Zerkle:

On September 4, 2009 an inspection of the waste water treatment plant at Graham High School, 7800 State Route 36, Champaign County was performed. The inspection was conducted as part of the National Pollutant Discharge Elimination System (NPDES) renewal for the school.

The inspection report is attached for your review. There are two items that require a written response. This response is required by no later than October 12, 2009.

If you have any questions regarding the report, you may contact Joe Reynolds at (937) 285 - 6097.

Sincerely,

Martyn G. Burt
Compliance supervisor
Division of Surface Water

cc: Champaign County Health Department
Rodney Callison, Plant Operator



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State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PT00088*BD	OH0123293	9/4/2009	R	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Graham High School 7800 State Route 36 St Paris, Ohio	12:00PM	1/1/2005
	Exit Time	Permit Expiration Date
	1:00PM	12/31/2009
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Rodney Callison, Plant Operator Nick Mesher, Director of Business	(937) 663 - 5523 (937) 663 - 4670	
Name, Address and Title of Responsible Official	Phone Number	
James Zerkle, Superintendent 370 East Main Street Saint Paris, Ohio 43072	(937) 663 - 4123	

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	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Report.	

Inspector	Reviewer
 Date: 9/9/2009 Joe Reynolds Division of Surface Water Southwest District Office	 Date: 9/11/09 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Inspection Findings

On Friday September 4, 2009 an inspection of the Graham High School waste water treatment system was performed. The inspection was part of the National Pollutant Discharge Elimination System (NPDES) permit renewal process. The Schools NPDES will expire on December 31, 2009.

The waste water treatment system consist of a trash trap (1,500 gallon), flow equalization (10,000 gallons), extended aeration (10,000 gallons), settling (2,500 gallons), dosing tank (1,500 gallons), slow surface sand filters (2 @ 20' x 41'), chlorination, dechlorination, post aeration, and sludge holding (2,000 gallons).

The high school is currently being renovated. As a result school will not start until Thursday September 10 TH.

During the renovation a sewer line was cut and the power to the post aeration system was cut (late July). This allowed extraneous water and sediment to enter the plant. This material was contained in the aeration system partly because school was not in session (no flow). The tertiary system was not affected. Both lines have been repaired.

In follow-up all of the waste water treatment tanks were pumped last week (8 loads removed). Seed material from the St Paris waste water treatment plant was introduced into the system.

At the time of the inspection there was influent flow to the plant. The water supply lines were being charged to distribute chlorine to the system.

The mixed liquor in the aeration system was chocolate brown. The tank was being mixed uniformly. There are two blowers which are alternated.

There was a thin layer of solids behind the inlet baffle of the clarifier. Minor ashing was noted. The effluent was clear. A minor amount of solids were in the effluent weir trough.

The tertiary sand filters were clean. The sand was level, no solids or erosion was noted. Additional sand will be added to the filters in the near future.

There were chlorine and bisulfite tablets in the chlorination / dechlorination systems. The post aeration system was working. This system is run 24/7.

Inspection Findings (cont.)

The final effluent from post aeration was clear. No foam was noted. Access to the final outfall was limited due to thick vegetative growth.

Rodney Callison, plant operator is maintaining an operators log in accordance with OAC 3745 – 7 - 09. In accordance with OAC 3745 – 7 – 04 The Operator of Record must be at the plant a minimum of two days per week, for a minimum of at least one hour.

Not later than 4 months from the effective date of the permit the school will need to post a permanent sign at the final outfall which identifies the school as the discharger to the outfall. The sign should include the school name, permit number, outfall number, and contact phone number. The marker must be a minimum of 2' x 2' and shall be printed in 2" high letters. The sign should be located 3' above the ground.

Between January, 2008 and June, 2009 Graham High School reported two suspended solids violations.

Items Requiring a Response

1. In order to provide access to the final outfall (to allow for visual inspection) vegetation should be removed to provide a path to the outfall. A written response verifying completion of this work should be provided by no later than October 18, 2009.
2. Written notification as to date the sand in the tertiary sand filters was replaced must be provided by no later than October 18, 2009.

