



State of Ohio Environmental Protection Agency

**STREET ADDRESS:**

Lazarus Government Center  
50 W. Town St., Suite 700  
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184  
[www.epa.state.oh.us](http://www.epa.state.oh.us)

**MAILING ADDRESS:**

P.O. Box 1049  
Columbus, OH 43216-1049



\*1PT0011020081222\*

MIAMI

PIQUA SPRINGCREEK ELEM SCH

MILLER, JOSEPH

2008/12/22

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director





State of Ohio Environmental Protection Agency

**Southwest District Office**

401 E. Fifth St.  
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249  
www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

December 22, 2008

Richard A. Hanes, Superintendent  
Piqua City Schools  
719 East Ash Street  
Piqua, OH 45356

**NOTICE OF VIOLATION**

**RE: Spring Creek Primary School Wastewater Treatment Plant  
Compliance Evaluation Inspection  
NPDES Permit 1PT00110\*BD/OH0133761  
Spring Creek Township, Miami County**

Dear Superintendent Hanes,

On December 9, 2008, I conducted an inspection at the above referenced wastewater treatment works. The inspection revealed that the new wastewater treatment system appeared to be operating properly.

Provide a response to the items noted under "Items Requiring a Response" heading of the inspection report by **January 16, 2009**. Your response should include dates, either actual or proposed, for completion of actions.

If you have any questions, I can be reached at (937) 285-6109.

Sincerely,

Joe Miller  
Division of Surface Water  
Compliance and Enforcement

CC: Johnny Shingleton, Operator  
Molly Hay, Principal  
Miami County Health Department



Permit #: 1PT00110\*BD  
 NPDES #: OH0133761



State of Ohio Environmental Protection Agency  
 Southwest District Office

NPDES Compliance Inspection Report  
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PT00110*BD	OH0133761	12/9/2008	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Piqua Springcreek Elementary 145 East State Route 36 Piqua, OH 45356	2:40 PM	June 1, 2008
	Exit Time	Permit Expiration Date
	2:55 PM	May 31, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
N/A		
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Johnny Shingleton	937-477-5742	
Name, Address and Title of Responsible Official	Phone Number	
Piqua City Schools 719 East Ash Street Piqua, OH 45356	937-773-4321	

Ohio EPA Inspector		Ohio EPA Reviewer	
	12/22/08		12/22/08
Joe Miller Division of Surface Water Southwest District Office	Date	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office	Date

Permit #: 1PT00110\*BD  
 NPDES #: OH0133761

Average Daily Design Flow:	10,000 Gallons/Day
Plant Serves:	Elementary School
Average Daily Flow: (Period of Review):	1,400 GPD (July 2008 to October 2008)
Method of flow monitoring:	Pump hours
Type of alarms for plant:	Audio/visual

**Pretreatment**

Type of Pretreatment: **Trash Trap**  
 Does the Trash Trap need pumped: **Unknown**  
 Maintenance of pretreatment components is: **Satisfactory**

**Comments/Status:**  
 \_\_\_\_\_

**Secondary Treatment  
(Aeration)**

Color of sludge: **Light Brown**  
 Quality of Sludge: **Thin**  
 Foam: **None present**  
 Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is... **Satisfactory**

**Comments/Status:**  
 \_\_\_\_\_

**Secondary Treatment  
(Settling)**

Clarity: **Clear**  
 Condition of Weir: **Clean**  
 Weir is level: **Yes**  
 Effluent in weir: **None**  
 Clarifier walls need scraped: **Unknown**

Overall maintenance of settling components is: **Satisfactory**

**Comments/Status:**  
 \_\_\_\_\_

**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Subsurface</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

Sand filters clear and maintained. Not disinfection season.

**Sludge Handling/Storage Disposal**

Hauler name: Sludge not reported as hauled  
 Disposal Site: POTW  
 Sludge wasted from: Sludge holding tank  
 How often is sludge wasted: sludge not wasted during period of review  
 Sludge drying beds: **No**                      Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

A sludge judge or equivalent is recommended to determine when sludge needs to be wasted. Report sludge hauled on eDMR as required.

**Plant Discharge**

Discharge point is: **Field tile**  
 Name of discharge point: **Unnamed tributary of Garbry Creek**  
 Discharge is visible: **No**                      Quality of Effluent: **Clear**

**Comments/Status:**

Operating reports not received from April 2005 to May 2008. These need to be submitted. Frequency violations noted and one effluent limit violation from June 2008 to October 2008.

Permit # : 1PT00110\*BD  
 NPDES #: OH0133761

**Effluent Limit Violations July 2008 to October 2008**

Reporting Period	Report Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2008	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.1	10/1/2008

**Effluent Frequency Violations July 2008 to October 2008**

Reporting Period	Report Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
July 2008	00083	Color, Severity	1/Day	1	0	07/01/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/01/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/01/2008
July 2008	50060	Chlorine, Total Residu	1/2Weeks	1	0	07/01/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/02/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/02/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/02/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/03/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/03/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/03/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/04/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/04/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/04/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/05/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/05/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/05/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/08/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/08/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/08/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/09/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/09/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/09/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/10/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/10/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/10/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/11/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/11/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/11/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/12/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/12/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/12/2008
July 2008	50060	Chlorine, Total Residu	1/2Weeks	1	0	07/15/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/18/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/18/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/18/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/30/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/30/2008
July 2008	01350	Turbidity, Severity	1/Day	1	0	07/30/2008
July 2008	00083	Color, Severity	1/Day	1	0	07/31/2008
July 2008	01330	Odor, Severity	1/Day	1	0	07/31/2008

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July 2008	01350	Turbidity, Severity	1/Day	1	0	07/31/2008
August 2008	00083	Color, Severity	1/Day	1	0	08/01/2008
August 2008	01330	Odor, Severity	1/Day	1	0	08/01/2008
August 2008	01350	Turbidity, Severity	1/Day	1	0	08/01/2008
August 2008	00083	Color, Severity	1/Day	1	0	08/07/2008
August 2008	01330	Odor, Severity	1/Day	1	0	08/07/2008
August 2008	01350	Turbidity, Severity	1/Day	1	0	08/07/2008
August 2008	00083	Color, Severity	1/Day	1	0	08/08/2008
August 2008	01330	Odor, Severity	1/Day	1	0	08/08/2008
August 2008	01350	Turbidity, Severity	1/Day	1	0	08/08/2008
August 2008	00083	Color, Severity	1/Day	1	0	08/14/2008
August 2008	01330	Odor, Severity	1/Day	1	0	08/14/2008
August 2008	01350	Turbidity, Severity	1/Day	1	0	08/14/2008
August 2008	00083	Color, Severity	1/Day	1	0	08/19/2008
August 2008	01330	Odor, Severity	1/Day	1	0	08/19/2008
August 2008	01350	Turbidity, Severity	1/Day	1	0	08/19/2008
September 2008	00083	Color, Severity	1/Day	1	0	09/13/2008
September 2008	01330	Odor, Severity	1/Day	1	0	09/13/2008
September 2008	01350	Turbidity, Severity	1/Day	1	0	09/13/2008
September 2008	00010	Water Temperature	1/Week	1	0	09/15/2008
September 2008	00300	Dissolved Oxygen	1/Week	1	0	09/15/2008
October 2008	00083	Color, Severity	1/Day	1	0	10/24/2008
October 2008	01330	Odor, Severity	1/Day	1	0	10/24/2008
October 2008	01350	Turbidity, Severity	1/Day	1	0	10/24/2008



**Spring Creek Primary School  
Compliance Inspection  
December 9, 2008**

*Overview*

The Spring Creek Primary School installed a new wastewater treatment system to treat 5,000 gallons per day in August 2007. The school is located east of the City of Piqua on State Route 36. The school population and design basis is 275 total people (faculty and students). The wastewater plant discharges to a field tile which ultimately discharges to Garbry Creek.

The wastewater treatment facility is an extended aeration package plant with a 1,000 gallon trash trap, 2,247 gallon equalization, sludge holding, dosing tank w/ duplex pumps, dual slow surface sand filters, ultraviolet disinfection, and post-aeration.

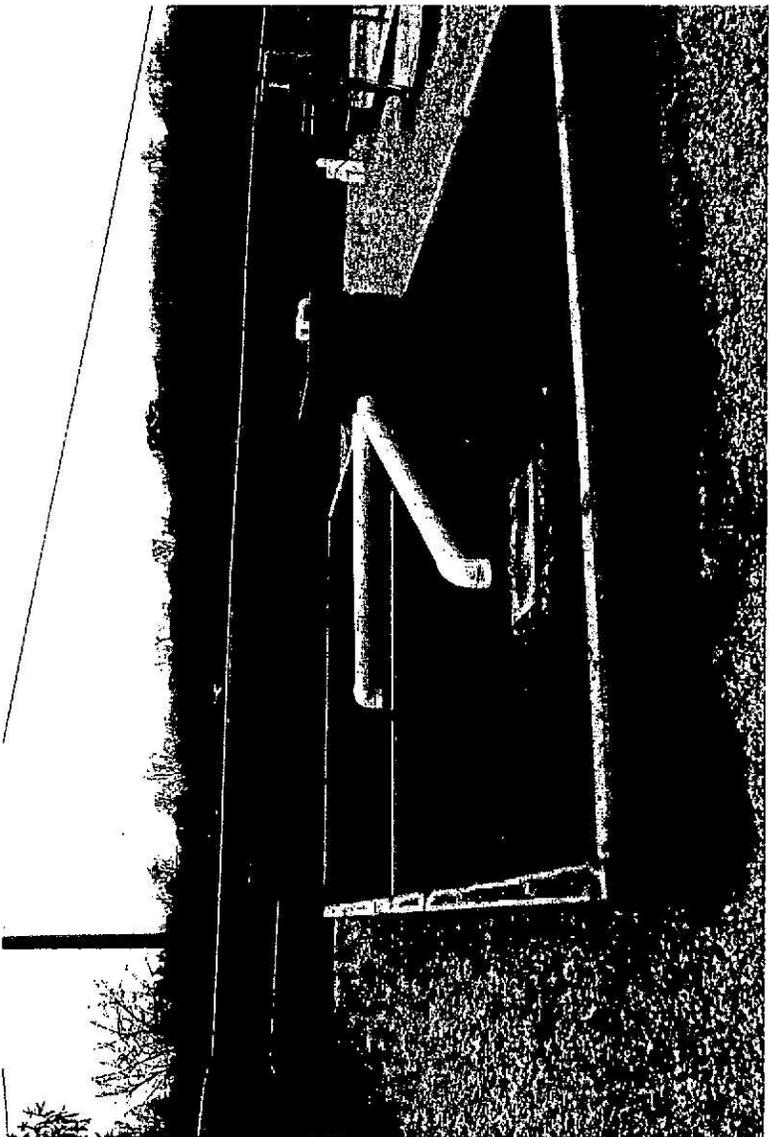
The Miami County Sanitary Engineer plans to extend sanitary sewers from the City of Piqua to the Village of Fletcher. This sewer line will be constructed along State Route 36 and in front of Piqua Springcreek Elementary School. When this project is complete, the school will be required to connect to the sanitary line and abandon the wastewater treatment plant.

The following items were noted which require a response. I spoke with Johnny Shingleton, the wastewater operator of record on December 19, 2008. He indicated that he would provide items #1, #3, and #4. He will also need to respond to item #2.

*Items Requiring a Response*

1. Operating Reports –Self monitoring reports were not received by Ohio EPA from the period of April 2005 to June 2008. Monthly submittal of monitoring reports is required by the NPDES permit. Letters of non-compliance notification were received by Ohio EPA from Shingleton Environmental during this period of time citing violations of permitted limits. Submittal of the missing reports can be done using Ohio EPA's eDMR reporting back to October 2007. Prior to October 2007, data can be submitted on CD. Coordinate these submittals with the eDMR Administrator, Jamie Roberts. He can be reached at 614-644-2054.
2. Effluent Violations – Ohio EPA has reviewed the submitted self monitoring reports for the period of July 2008 to October 2008. One effluent limitation violation was noted and multiple frequency violations were noted during this period of time. Provide the reasons for the listed violations, as well as a description of the action taken or proposed to prevent further violations. Future violations need to be reported as per your NPDES Permit. See Part III, Item 12 of your NPDES Permit, entitled "Non-Compliance Notification".
3. Training – The maintenance staff will be relied upon for day-to-day monitoring and upkeep of the wastewater plant, including monitoring of effluent odor, color, and turbidity. For this reason, it is imperative that the maintenance staff is trained and familiar with basic troubleshooting of the wastewater plant and reporting requirements.
4. Operator of Record – Submit the attached operator of record form to Ohio EPA.









**Operator of Record (ORC) Notification Form**

Ohio Environmental Protection Agency  
 Division of Drinking and Ground Waters  
 Operator Certification Unit  
 50 West Town St, Suite 700  
 P.O. Box 1049  
 Columbus, OH 43216-1049

Phone: (614) 644-2752  
 1- 866 - 411-OPCT (6728)  
 Fax: (614) 644-2909  
 email: opcert@epa.state.oh.us  
 website: www.epa.state.oh.us/ddagw/opcert.html

**I. SYSTEM INFORMATION**

Name of System: \_\_\_\_\_ Phone Number: \_\_\_\_\_

PWS ID/NPDES Permit #: \_\_\_\_\_ STU # \_\_\_\_\_ Classification: \_\_\_\_\_

Name of Facility Owner or Permittee, Title (Print) \_\_\_\_\_ Facility Owner or Permittee (Signature) \_\_\_\_\_

**II. SYSTEM TYPE (Check only one of the following. Use additional sheets if necessary.)**

Public Water System (PWS)	Distribution System	Treatment Works	Collection System

**III. OPERATOR OF RECORD INFORMATION**

Add Additional(A), New (N) or Remove(R)	Name of Operator of Record	Certification Number & Expiration Date	I verify that I am the onsite certified operator responsible for the technical operation of the above referenced facility. (Signature of certified operator)*

\* A signature by an operator of record who is being removed is not required.  
 (Attach additional sheets if necessary.)

Amount of time an ORC spends onsite at the Facility: \_\_\_\_\_

For Internal Use Only	
Reviewed by:	Date of SDWIS update:
Date of Compliance Status Letter:	

