



**Environmental
Protection Agency**

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



1PT0010820090407

DARKE

WOODLAND HTS ELEM SCH

MILLER, JOSEPH

2009/04/07



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

April 7, 2009

Greenville City School District
215 West Fourth Street
Greenville, OH 45331

**RE: Woodland Heights Elementary School/ Notice of Violation
Wastewater Treatment Plant Inspection
NPDES Permit 1PT00108*AD/OH0132349**

Ladies and Gentlemen,

On April 6, 2009, I conducted an inspection at the above wastewater treatment package plant. This inspection was conducted to determine compliance with the NPDES discharge permit and to conduct a final inspection on the installation of the sludge holding tank under permit to install 655979.

I have also completed a review of the self reporting monitoring reports for this facility. Violations of the effluent limitations were noted during this review. Overall the treatment plant was rated as satisfactory. A detailed inspection report is attached.

No response is required to this inspection at this time. If you have any questions, I can be reached at (937) 285-6109.

Sincerely,

Joe Miller
Division of Surface Water

Enclosures

CC: Greg Woodall, Greenville City School District
Darke County Health Department





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**Woodland Heights Elementary School
Compliance Evaluation Inspection**

Overview

The Woodland Heights Elementary School is served by a wastewater package treatment plant designed to treat 10,000 gallon per day. The average flow from this facility during the period of December 2007 to March 2009 was 3500 gallons per day. The treatment plant consists of a trash trap, lift station, extended aeration, clarification, dosing to surface sand filter beds, and chlorination followed by dechlorination. The discharge goes to a tile which empties into an unnamed tributary of Boyd Creek.

The following effluent violations were noted for the period of December 2007 to March 2009.

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2007	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.28	12/1/2007
December 2007	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	13.33	12/1/2007
December 2007	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.22428	12/1/2007
December 2007	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.41877	12/1/2007
October 2008	80082	CBOD 5 day	30D Conc	10	30.0675	10/1/2008
October 2008	80082	CBOD 5 day	7D Conc	15	29.67	10/1/2008
October 2008	80082	CBOD 5 day	30D Qty	0.38	.3883	10/1/2008
October 2008	80082	CBOD 5 day	7D Conc	15	30.24	10/15/2008
October 2008	80082	CBOD 5 day	7D Conc	15	30.12	10/22/2008

Self-Notification reports of non-compliance were provided for these effluent violations as required by the NPDES permit. Greg Woodall, wastewater operator, has been working with Ohio EPA's compliance assistance unit to improve plant operation. Greg is now doing process controls that help him determine the proper time for wasting sludge. The plant seemed to be operating properly at the time of inspection.

The sludge holding tank appears to have been installed as per the approved permit to install. The holding tank provides the operator with the ability to waste sludge, decant, and aerate the sludge, thus improving operation.

A log book needs to be completed for daily checks and maintenance done at the wastewater treatment plant. I have included the rules describing the expectations for the log book.

Outfall signage has been installed since the last inspection as per the NPDES permit.

An evaluation by Mote and Associates in 2007 determined that connection of Woodland Heights Elementary School to the City of Greenville's wastewater collection system was not economical. The school district should continue to look for an opportunity to connect to the City in the future in order to eliminate the discharge from the treatment plant.

Permit # : 1PT00108*BD
 NPDES # : OH0132349

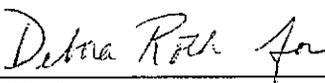


State of Ohio Environmental Protection Agency
 Southwest District Office

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
1PT00108*BD	OH0132349	4/6/09	<u>C</u>	<u>S</u>	<u>2</u>

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Woodland Heights Elementary School 7550 State Route 118 Greenville, OH 45331	2:30 PM	March 1, 2008
	Exit Time	Permit Expiration Date
	2:55 PM	February 28, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Greg Woodall, Maintenance Supervisor	937-548-3185	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Greg Woodall, Maintenance Supervisor Class 1 Wastewater Operator WW1-1011633-04	same	
Name, Address and Title of Responsible Official	Phone Number	
Greenville City Schools Susan Riegle, Superintendent 215 West Fourth Street Greenville, OH 45331	937-548-3185	

Ohio EPA Inspector	Ohio EPA Reviewer
 Joe Miller Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
Date <u>4/7/09</u>	Date <u>4/9/09</u>

Permit #: 1PT00108*BD
 NPDES #: OH0132349

Average Daily Design Flow:	10,000 Gallons/Day
Plant Serves:	Population of 700 (staff and students)
Average Daily Flow: (Period of Review):	3,500 Gallons/Day (December 2007- March 2008)
Method of flow monitoring:	Calculated from pump
Type of alarms for plant:	light

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **Yes**
 Maintenance of pretreatment components is: **OK**

Comments/Status:

**Secondary Treatment
(Aeration)**

Color of sludge: **Black**
 Quality of Sludge: **Thin (old)**
 Foam: **None**
 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...**Good**

Comments/Status:

Second blower has been installed since last inspection.

**Secondary Treatment
(Settling)**

Clarity: **Good**
 Condition of Weir: **Satisfactory**
 Weir is level: **Yes**
 Effluent in weir: **Light Solids**

Clarifier walls need scraped: **Yes**

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

Comments/Status:

Sludge holding tank has been installed. Sludge is now being wasted regularly as determined by process control testing done by operator.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<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 checked="" type="checkbox"/>	<input 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: **Excellent**

Comments/Status:

Not disinfection season.

Sludge Handling/Storage Disposal

Hauler name: Mike's Sanitation

Disposal Site: Mike's Sanitation Lagoon Disposal Facility

Sludge wasted from: Sludge holding tank

How often is sludge wasted: Weekly, or as determined by operator

Sludge drying beds: **No** Sludge holding tank: **Yes**
(needed)

Overall maintenance of components is: **Excellent**

Comments/Status:

Plant Discharge

Discharge point is a: **Other**

Name of discharge point: Field tile to an unnamed tributary to Boyd Creek

Discharge is visible: **No** Quality of Effluent: **Clear**

Comments/Status:

Recordkeeping requirements and responsibilities of a certified operator.

- (A) The owner and operator of record of a public water system, treatment works or sewerage system shall maintain or cause to be maintained operation and maintenance records for each public water system, water treatment plant within a public water system, treatment works, or wastewater treatment facility within a treatment works. Some of the formats in which the records may be maintained include, but are not limited to, hard bound books with consecutive page numbering, time cards, separate operation and maintenance records, or well organized computer logs.
- (1) The records shall be housed and maintained in such a manner as to be protected from weather damage and guarantee the authenticity and accuracy of the records contained within.
 - (2) The records shall be accessible onsite for twenty-four hour inspection by agency or emergency response personnel.
 - (3) At a minimum, the following information shall be recorded:
 - (a) Identification of the public water system, sewerage system, or treatment works;
 - (b) Date and times of arrival and departure for the operator of record and any other operator required by this chapter;
 - (c) Specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage or water conveyed, effluent or water produced;
 - (d) Results of tests performed and samples taken, unless documented on a laboratory sheet;
 - (e) Performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage or water conveyed, effluent or water produced; and
 - (f) Identification of the persons making entries.
 - (4) The records shall be kept up to date, contain a minimum of the previous three months of data at all times, and be maintained for at least three years.

(B) A certified operator shall:

- (1) Perform their duties in a responsible and professional manner consistent with standard operating procedures and best management practices;
- (2) Operate and maintain public water systems, sewerage systems, treatment works, and appurtenances so as not to endanger the health or safety of persons working in or around the facility, the public at large, or the environment due to negligence or incompetence; and
- (3) Report all instances of noncompliance with applicable regulations to the operator of record or facility supervisor.

(C) The duties of an operator of record shall include, but not be limited to, those outlined in paragraphs (B)(1) to (B)(3) of this rule and the following additional duties and responsibilities:

- (1) Responsible and effective on site management and supervision of the technical operation of the public water system, treatment works, or sewerage system;
- (2) Immediately notifying the permittee or owner of a public water system, sewerage system, or treatment works, and ensuring the agency and, if applicable, the local regulatory agency, is notified of items that require notification in accordance with sections 6109. or 6111. of the Revised Code, the rules adopted thereunder, or the facility's NPDES permit; and

(D) In the event that there are issues related to paragraphs (A) to (C) of this rule that are within the area of responsibility of, but beyond an operator of record or a certified operator's ability to address, it shall be the operator's responsibility to document any efforts to rectify the problem.

Effective: 12/21/2006

R.C. 119.032 review dates: 12/21/2011

Promulgated Under: 119.03

Statutory Authority: RC Sections 6111.46, 6109.04

Rule Amplifies: RC Sections 6111.46, 6109.04



Ohio Environmental Protection Agency
 Division of Drinking and Ground Waters
 Operator Certification Unit

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: _____	



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