



**Environmental
Protection Agency**

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



1PT0010820071120

DARKE

WOODLAND HTS ELEM SCH

MILLER, JOSEPH

2007/11/20



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

November 20, 2007

Greenville City Schools
Susan Riegle, Superintendent
215 West Fourth Street
Greenville, OH 45331

**RE: Compliance Evaluation Inspection/NOTICE OF VIOLATION
Woodland Heights Elementary School Wastewater Treatment Plant
NPDES Permit 1PT00108*AD/OH0132349
Darke County**

Ladies and Gentlemen:

On November 8, 2007, I conducted an inspection at the above referenced wastewater treatment works. This inspection was conducted to determine compliance with the NPDES permit for this facility. At the time of inspection, the wastewater plant appeared to be operating with an old sludge and was experiencing bulking of solids. Effluent violations were noted during the period evaluated. An inspection report is attached.

Deficiencies in the wastewater treatment plant were noted that require attention. Provide a response to the items noted under "Items Requiring a Response" heading of the inspection report by **December 20, 2007**. 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

CC: Greg Woodall, Greenville City Schools
Darke County Health Department
City of Greenville, Safety and Service



ITEMS REQUIRING A RESPONSE

1. **Effluent Violations** - A review of the self-monitoring reports covering the months from October 2005 to October 2007 indicates violations of your NPDES permit 1PT00109. The specific instances of noncompliance are listed in the inspection report.

Violations of the NPDES permit must be reported as required as detailed in Part III. Item 12 entitled "Non-compliance Notification". All future violations need to be reported as detailed in the NPDES permit. Inform this office, in writing, as to the reasons for the above reference violations, as well as a description of the actions taken or proposed to be taken to prevent any further violations.

2. **Sludge Holding** – The wastewater treatment plant does not have a sludge holding tank or means for holding waste solids. Wasting of solids is a fundamental aspect of wastewater treatment. An application for a permit to install from Ohio EPA needs to be submitted for the installation of a sludge holding tank. Please note that any plans submitted to this office must be stamped by a Professional Engineer. Provide a schedule for design and installation of a sludge holding tank.
3. **Aeration Blower** – Currently, the wastewater treatment plant is served by a single aging blower. A "stand-by" blower unit must be installed and operable. This may be included in the application for a permit to install for the sludge holding tank. Provide a schedule for design and installation of the aeration blower.
4. **Expired buffer and calibration** – At the time of inspection, the pH buffer was noted to have expired in 2005. New buffers need to be purchased. All meters need to be calibrated before testing.
5. **Sanitary Sewers** – Provide an evaluation of connection to the City of Greenville's sanitary sewer. It is my understanding that the City's collection system is approximately 5,000 feet from Woodland Elementary. Wastewater treatment plants require maintenance, monitoring, periodic improvements, sludge removal, and represent an environmental liability. Connection to sanitary sewers would eliminate these issues.





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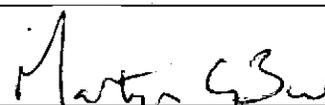


State of Ohio Environmental Protection Agency
Southwest District Office

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	0100049	11/8/07	C		<input checked="" type="checkbox"/>

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	9:30 AM	2/1/2003
	Exit Time	Permit Expiration Date
	11:00 AM	1/31/2008
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 I 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
11/21/07 Date	11/21/07 Date



Permit #: 1PT00108*AD1PT00108
 NPDES #: OH0132349

Average Daily Design Flow:	10,000 Gallons/Day
Plant Serves:	Population of 700 (staff and students)
Average Daily Flow (Period of Review):	3,000 Gallons/Day (February 2003- October 2007)
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: **Heavy (old)**
 Foam: **None**
 Odor: **Slight**

	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...**Fair**

Comments/Status:

Single very old blower, operates 24-7. A second "stand-by" blower needs to be installed.

**Secondary Treatment
(Settling)**

Clarity: **Bulking solids**
 Condition of Weir: **Solids Build Up**
 Weir is level: **Yes**
 Effluent in weir: **Heavy Solids**



Permit # : 1PT00108*AD1PT00108
NPDES #: OH0132349

Clarifier walls need scraped: **Yes**

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

Comments/Status:

Sludge needs to be removed. Sludge holding tank needs to be installed.

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 checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Excellent**

Comments/Status:

Sand filters well maintained.

Sludge Handling/Storage Disposal

Hauler name: Mike's Sanitation

Disposal Site: Mike's Sanitation Lagoon Disposal Facility (Mercer County)

Sludge wasted from: Clarifier (Sludge Holding tank needs to be installed)

How often is sludge wasted:

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

Overall maintenance of components is: **N/A**

Comments/Status:

Sludge holding tank needs to be installed.

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:



Permit #: 1PT00108*AD1PT00108
NPDES #: OH0132349

EFFLUENT LIMIT VIOLATIONS
(Period of Review: October 2005 to October 2007)

7D = Weekly, 30D = Monthly, 1D = Daily, Conc. = Concentration (mg/l), Qty. = Quantity (Kg/Day)

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2005	001	31616	Fecal Coliform	7D Conc	2000	7300.	10/1/2005
June 2006	001	00300	Dissolved Oxygen	1D Conc	6.0	5.99	6/19/2006
July 2006	001	80082	CBOD 5 day	30D Conc	10	18.54	7/1/2006
July 2006	001	80082	CBOD 5 day	7D Conc	15	18.54	7/1/2006
JUNE 2007	001	31616	Fecal Coliform	7D Conc	2000	2419.6	6/1/2007



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