



**Environmental
Protection Agency**

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

April 28, 2010

Mr. Jim Patrick
Edgewood School District
200 West Ritter Street
Seven Mile, Ohio 45062

Re: Butler County, Seven Mile Elementary School, Compliance Evaluation Inspection

Dear Mr. Patrick:

On April 22, 2010, I conducted a Compliance Evaluation Inspection at the Seven Mile Elementary School (NPDES Permit No. OH0118524; OEPA Permit No. 1PT00080*CD). The inspection was also conducted as part of renewing the NPDES Permit. Representing this facility was Matt Fraley and Paul Fisher. A copy of my inspection report is enclosed.

The inspection report contained one marginal area. The Operations & Maintenance section was rated marginal as a result of the improper disposal of sludge removed from the surface sand filters. This material must be removed from the WWTP and properly disposed.

The area noted in the report summary will require a written response by May 21, 2010. The response should include a description of the actions proposed to correct the violations and the dates anticipated for completion of these actions.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

Ned Sarle
Division of Surface Water
Permits Section

Enclosure

ec: Matt Fraley, WWTP Operator





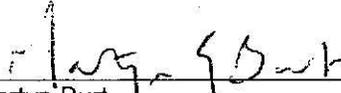
State of Ohio Environmental Protection Agency
Southwest District Office

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
1PT00080*CD	OH0118524	4/22/2010	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Edgewood School District Seven Mile Elementary School 200 West Ritter Street Seven Mile, Ohio 45062	9:10 A.M.	8/1/2005
	Exit Time	Permit Expiration Date
	10:10 A.M.	7/31/2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Matt Fraley, WWTP Operator Paul Fisher, School Maintenance	(513) 673-9127 (513) 330-3351	
Name, Address and Title of Responsible Official	Phone Number	
Jim Patrick, Business Operations Manager 3500 Busenbark Road Trenton, Ohio 45067	(513) 863-4692	

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	S	Compliance Schedule
M	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Summary of Findings / Comments.	
Inspector	Reviewer
 Ned Sarle Permit Section Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
4/22/10 Date	4/28/10 Date



Permit #: 1PT00080*CL
 NPDES #: OH0118524

Average Daily Design Flow:	7500 Gallons/Day
Plant Serves:	Elementary School
Average Daily Flow: (Period of Review):	3200 Gallons/Day (August 2005 through February 2010)
Method of flow monitoring:	v-notch weir and ultrasonic meter
Type of alarms for plant:	Three High Water Alarm

Pretreatment

Type of Pretreatment: **Bar Screen**
 Does the Trash Trap need pumped: **N/A**
 Maintenance of pretreatment components is: **Excellent**

Comments/Status:

None.

**Secondary Treatment
(Aeration)**

Color of sludge: **Medium Brown**
 Quality of Sludge: **Medium**
 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...**Excellent**

Comments/Status:

None.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
 Condition of Weir: **Clean**
 Weir is level: **Yes**
 Effluent in weir: **Clear**



Permit #: 1PT00080*CL
NPDES #: OH0118524

Clarifier walls need scraped: **No**

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

Comments/Status:

None.

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:

Operator was ready to switch to other clean surface sand filter.

Sludge Handling/Storage Disposal

Hauler name: **Four Aces Sanitation**
Disposal Site: **Middletown WWTP**
Sludge wasted from: **Sludge holding tank**
How often is sludge wasted: **As needed**
Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Excellent**

Comments/Status:

None.

Plant Discharge

Discharge point is a: **Stream**
Name of discharge point: **Seven Mile Creek**
Discharge is visible: **No** Quality of Effluent: **Clear**

Comments/Status:

None.



Permit #: 1PT00080*CL
NPDES #: OH0118524

Attached Summary of Findings / Comments

Areas Requiring a Response

Sand and sludge removed from the surface sand filters have been dumped around these filters. This is not an acceptable disposal practice. This material must be properly disposed by hauling it to a solid waste landfill. In the future, all materials removed from the surface sand filters including sludge, sand and vegetative matter must also be properly disposed. The sand removed from the filters over the years should also be replaced. Please indicate what actions will be proposed to address these issues.

Areas Not Requiring a Response

A review of the Discharge Monitoring Reports (DMRs) for August 2005 through February 2010 indicated no NPDES Permit violations. Future violations must be reported as required by the NPDES Permit as detailed in Part III.12 titled "Noncompliance Notification."

The WWTP is designed for an average daily flow rate of 7500 gpd. A review of the DMRs for this period indicated that the average daily flow was 3200 gpd.

The treatment system consists of a coarse screen, a flow equalization tank, extended aeration tank, secondary clarifier, upflow fixed media clarifier, dosing tank, two surface sand filters, a chlorine contact tank, and a dechlorination tank. Excess biosolids are wasted to a sludge holding tank. The treated effluent is then pumped to Seven Mile Creek. The WWTP operations appeared to be acceptable.

The sewage package plant was originally constructed in 1992. Typically, these treatment systems will last between 20 and 30 years. The current treatment system is 18 years old. Noticeable corrosion of the metal treatment plant was noted during the inspection. The Seven Mile Elementary School should start planning for the eventual replacement of this treatment system.

In 2009, Seven Mile Elementary School had 6500 gallons of sludge hauled from the WWTP. The sludge was pumped from the sludge holding tank and the aeration tank. Four Aces Sanitation hauled this sludge to the Middletown WWTP.

