



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Notice of Violation
Hardin County
Roots Fairway View Subdivision
Eldridge Station Hills Estates
Reed Road Subdivision
NPDES Permits

February 2, 2012

Mr. Michael Smith, P.E., P.S.
Hardin County Engineer
1040 West Franklin Street
Kenton, Ohio 43326

Dear Mr. Smith:

On January 24, 2012, inspections were conducted on the County owned package wastewater treatment plants serving the Roots Fairwayview Subdivision, Eldridge Station Hills Estates and Reed Road Subdivision. Mr. Tim McKee was present and provided information on operation and maintenance of the plants. Our inspection findings are as follows:

Roots Fairwayview Subdivision

The aeration tanks had good mixing. The system appeared to be hydraulically overloaded during the inspection. The water level in the clarifier was above the effluent weir and the active sand filter was flooded. Inflow and infiltration should be evaluated and reduced to prevent hydraulic overloading of the plant. A sludge/sand storage pile was observed by the sludge drying beds. The sludge/sand should be properly disposed and not stored onsite. The final effluent was clear.

Eldridge Station Hills Estates

The aeration tanks had good mixing. There appeared to be very little biological growth in the system. The final effluent discharge was clear with some suspended solids.

Reed Road Subdivision

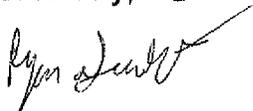
It was observed that one of the sand filters is being used as a sludge wasting bed. The sand filter should not be used as a wasting bed. The sand filters should be alternated to receive waste water from the clarifier. The contents of the aeration tank had good color and mixing. A sludge/sand storage pile was observed at the plant. The sludge/sand should be properly disposed and not stored onsite. The final effluent was clear.

Mr. Michael Smith
February 2, 2012
Page Two

A review of the discharge monitoring reports (DMRs) from June 2011 to January 2012 shows that there have been several effluent limit violations for all three facilities. The specific instances of non-compliance are enclosed on separate sheets. It is noted that you have submitted documentation on the potential causes of the violations and steps that are being taken to improve treatment at the plant.

Our completed inspection reports are enclosed for your records. If you have any questions, please call me at (419)373-3053.

Sincerely, —



Ryan Gierhart
Division of Surface Water

/jlm

Enclosures

pc: Hardin County Commissioners

ec: Inspection Tracking

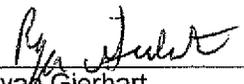


State of Ohio Environmental Protection Agency
Northwest District Office

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
2PG00012	OH0039292	1/24/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Roots Fairviewway Subdivision 16210 State Route 309 Pleasant Township	10:45	December 1, 2010
	Exit Time	Permit Expiration Date
	11:15	November 30, 2015
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name, Address and Title of Responsible Official	Phone Number	
Hardin County Commissioners One Courthouse Square, Suite 100 Kenton, OH 43326	419-674-2205	

Ohio EPA Inspector	Ohio EPA Reviewer
 Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office	 Thomas Poffenbarger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office
1/30/12 Date	1/30/12 Date

Average Daily Design Flow:	33,000 gallons/day
Plant Serves:	
Average Daily Flow: (Period of Review):	26,940 gpd (1/1/2011 – 1/1/2012)
Method of flow monitoring:	Effluent meter
Type of alarms for plant:	High Water alarms

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **No**
 Maintenance of pretreatment components is: **Good**

Comments/Status:

Trash trap pumped once every 3 months. There is an aerated EQ basin.

**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...**Fair**

Comments/Status:

Blowers are set for an hour on/hour off. Sludge appeared to be weak could be a result from excessive inflow/infiltration into the system.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
 Condition of Weir: **Clean**
 Weir is level: **Yes**
 Effluent in weir: **Clear**
 Clarifier walls need scraped: **No**

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

Comments/Status:

The plant appeared to have heavy flow coming in and the water level in the plant was above the weir discharge. The effluent flow for the past couple days appeared to be over 40,000 gpd. Clarifier walls are scraped once per week.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Upflow Media clarifier	<input checked="" type="checkbox"/>	<input 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 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: **Fair**

Comments/Status:

Sand filter was flooded.

Sludge Handling/Storage Disposal

Hauler name: F & L Septic

Disposal Site: Marion WWTP

Sludge wasted from: Sludge Holding Tank

How often is sludge wasted: As needed

Sludge drying beds: **Yes** Sludge holding tank: **No**

Overall maintenance of components is: **Fair**

Comments/Status:

Sludge/Sand mixture was piled on site by the sludge drying beds. The mixture should be properly disposed of and not stored onsite.

Plant Discharge

Discharge point is a: **Stream**

Name of discharge point: **Unnamed Trib. to Scioto River**

Discharge is visible: **N/O** Quality of Effluent: **Clear**

Comments/Status:

Discharge appeared clear and colorless.

Get New Data									
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date	
2PG00012*GD	October 2011	001	31648	E. coli	30D Conc	126	155.	10/1/2011	
2PG00012*GD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.6	4.12	10/8/2011	

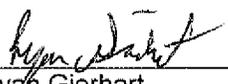
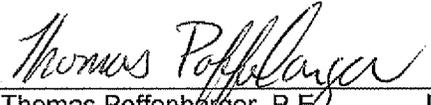


State of Ohio Environmental Protection Agency
Northwest District Office

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
2PG00005	OH00078999	1/24/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Eldridge Station Hills WWTP 20127 C.R. 144 Dudley Township	11:15	October 1, 2008
	Exit Time	Permit Expiration Date
	11:35	September 30, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name, Address and Title of Responsible Official	Phone Number	
Hardin County Commissioners One Courthouse Square, Suite 100 Kenton, OH 43326	419-674-2205	

Ohio EPA Inspector	Ohio EPA Reviewer
 Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office	 Thomas Poffenbarger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office
1/30/12 Date	1/30/12 Date

Average Daily Design Flow:	8,000 gallons/day
Plant Serves:	14 houses
Average Daily Flow: (Period of Review):	1619 gpd (1/1/2011 – 1/1/2012)
Method of flow monitoring:	Estimated by bucket fill method.
Type of alarms for plant:	none

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **No**
 Maintenance of pretreatment components is: **Good**

Comments/Status:

Trash Trap pumped every 6 months

**Secondary Treatment
(Aeration)**

Color of sludge: **Other**
 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 type="checkbox"/>	<input checked="" 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:

The sludge return was clear and appeared to be very little biological growth. The return was turned off and the clarifier walls were scraped. When the return was turned back on a black septic sludge was observed being returned.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
 Condition of Weir: **Clean**

Weir is level: **Yes**
 Effluent in weir: **Clear**
 Clarifier walls need scraped: **No**

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

Comments/Status:

Tertiary Treatment

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

Overall maintenance of components is: **Fair**

Comments/Status:

Sludge Handling/Storage Disposal

Hauler name: F & L Septic
 Disposal Site: Marion WWTP
 Sludge wasted from: Clarifier
 How often is sludge wasted: As needed
 Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of components is: **Good**

Comments/Status:

Plant Discharge

Discharge point is a: **Stream**
 Name of discharge point: **Scioto River**
 Discharge is visible: **Yes** Quality of Effluent: **Clear**

Comments/Status:

Eldridge Station WWTP

Get New Data								
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00005*ED	August 2011	001	31616	Fecal Coliform	30D Conc	1000	5600.	8/1/2011
2PG00005*ED	August 2011	001	31616	Fecal Coliform	7D Conc	2000	5600.	8/1/2011
2PG00005*ED	November 2011	001	00530	Total Suspended Solids	30D Conc	30	36.	11/1/2011



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Northwest 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
2PG00004	OH0078981	1/24/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Reed Road WWTP 17017 Township Road 39(Reed Road) Mcdonald Township	12:15	October 1, 2008
	Exit Time	Permit Expiration Date
	12:45	September 30, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Mr. Tim Mckee, Operator	(419) 674-2222	
Name, Address and Title of Responsible Official	Phone Number	
Hardin County Commissioners One Courthouse Square, Suite 100 Kenton, OH 43326	419-674-2205	

Ohio EPA Inspector		Ohio EPA Reviewer	
	1/30/12		1/30/12
Ryan Gierhart Environmental Specialist II Division of Surface Water Northwest District Office	Date	Thomas Poffenbarger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office	Date

Average Daily Design Flow:	7,200 gallons/day
Plant Serves:	
Average Daily Flow: (Period of Review):	1716 gpd (1/1/2011 – 1/1/2012)
Method of flow monitoring:	estimated
Type of alarms for plant:	none

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **No**
 Maintenance of pretreatment components is: **Good**

Comments/Status:

Trash Trap pumped twice per year.

**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...**Good**

Comments/Status:

**Secondary Treatment
(Settling)**

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

Clarifier walls need scraped: **No**

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

Comments/Status:

The effluent over the weir appeared cloudy with some suspended solids.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Distribution box operating	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Beds alternated	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	Dechlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Overall maintenance of components is: **Fair**

Comments/Status:

One sand bed is being used as a sludge wasting bed. The sand filter should not be used as a sludge wasting bed to allow for the flow from the clarifier to be alternated between the two beds.

Sludge Handling/Storage Disposal

Hauler name:

Disposal Site:

Sludge wasted from: Clarifier

How often is sludge wasted: As needed

Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of components is: **Good**

Comments/Status:

Sludge/Sand mix being stored onsite. The sludge/sand mix should be properly disposed of and not stored onsite.

Plant Discharge

Discharge point is a: **Stream**

Name of discharge point: **Scioto River**

Discharge is visible: **N/O** Quality of Effluent: **Clear**

Comments/Status:

Clear and colorless as observed in Dechlorination tank.

Reed Road WWTP

Get New Data								
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00004*FD	October 2011	001	31616	Fecal Coliform	30D Conc	1000	18500.	10/1/2011
2PG00004*FD	October 2011	001	31616	Fecal Coliform	7D Conc	2000	18500.	10/22/2011
2PG00004*FD	December 2011	001	00530	Total Suspended Solids	30D Conc	12	14.	12/1/2011