



**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

August 31, 2012

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

Dear Mr. Smith:

On August 22, 2012, inspections were conducted on the county owned package wastewater treatment plants (WWTPs) 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**

A sign needs to be placed at the final discharge in accordance with Part II. Item O. of the National Pollutant Discharge Elimination System (NPDES) permit. The active sand filter was ponding. A sludge/sand storage pile was observed by the sludge drying beds. The sludge/sand should be properly disposed of and not stored onsite. The final effluent was clear. A review of the discharge monitoring reports from January 2012 to August 2012 shows that there have been several effluent limit violations. The specific instances of non-compliance are enclosed on a separate sheet. You submitted documentation in regard to the violations, noting that the ammonia violations were due to issues with the air blower and the pH violation was due to an error putting the data into eDMR.

**Eldridge Station Hills Estates**

The aeration tanks had good mixing and a dark brown color. The final effluent discharge was clear. A review of the discharge monitoring reports from January 2012 to August 2012 shows that there have been several fecal coliform limit violations. The specific instances of non-compliance are enclosed on a separate sheet. You submitted documentation in regards to the violations, noting that the chlorine tablets were not contacting the flow.

Mr. Michael Smith  
August 31, 2012  
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**Reed Road Subdivision**

The contents of the aeration tank had good color and mixing. The sand filters were observed ponding. 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. A review of the discharge monitoring reports from January 2012 to August 2012 shows that there have no effluent limit violations.

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: Tracking

Get New Data								
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00005*ED	June 2012	001	31616	Fecal Coliform	30D Conc	1000	10000.	6/1/2012
2PG00005*ED	June 2012	001	31616	Fecal Coliform	7D Conc	2000	10000.	6/15/2012

Get New Data								
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00012*GD	May 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.6	4.25	5/22/2012
2PG00012*GD	June 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.4	2.6025	6/1/2012
2PG00012*GD	June 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	3.6	10.1	6/1/2012
2PG00012*GD	July 2012	001	00400	pH	1D Conc	6.5	3.3	7/10/2012



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
2PG00004	OH0078981	8/22/2012	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	11:15	October 1, 2008
	Exit Time	Permit Expiration Date
	11:45	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	
	8-30-12		8/27/12
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):	1632 gpd (1/1/2012 – 7/1/2012)
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:**

**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 type="checkbox"/>	<input checked="" type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Good**

**Comments/Status:**

Sludge return dark brown color. Skimmer return clear.

**Secondary Treatment  
(Settling)**

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

Clarifier walls need scraped: **Yes**

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

**Comments/Status:**

Clarifier walls scraped weekly.

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

Overall maintenance of components is: **Fair**

**Comments/Status:**

Sand filter ponding.

**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:**

**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.



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	8/22/2012	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	10:30	October 1, 2008
	Exit Time	Permit Expiration Date
	11:00	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
<i>Ryan Gierhart</i>	<i>Thomas Poffenbarger</i>
Date: <i>8-30-12</i>	Date: <i>8/27/12</i>
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

Average Daily Design Flow:	8,000 gallons/day
Plant Serves:	14 houses
Average Daily Flow: (Period of Review):	1611 gpd (1/1/2012 – 8/1/2012)
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: **Dark Brown**  
 Quality of Sludge: **Heavy**  
 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...**Good**

**Comments/Status:**

The sludge return was dark brown. Skimmer return was clear. Clarifier walls are scraped once per week..

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

Overall maintenance of components is: **Fair**

**Comments/Status:**

There is no tertiary treatment flow from the clarifier goes directly to the chlorination system.

**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:**

The discharge at the sampling manhole appeared clear.

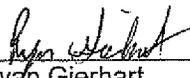


State of Ohio Environmental Protection Agency  
Northwest District Office

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	8/22/2012	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	10:00	December 1, 2010
	Exit Time	Permit Expiration Date
	10:30	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
8-30-12 Date	8/27/12 Date

Average Daily Design Flow:	33,000 gallons/day
Plant Serves:	
Average Daily Flow: (Period of Review):	19,116 gpd (1/1/2012 – 7/1/2012)
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 in June and is pumped once every 3 months. There is an aerated EQ basin.

**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 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...**Good**

**Comments/Status:**

Blowers are on continuous. Sludge return appeared to have a good color. Skimmer return was clear.

**Secondary Treatment  
(Settling)**

Clarity: **Clear**  
 Condition of Weir: **Clean**  
 Weir is level: **Yes**  
 Effluent in weir: **Clear**  
 Clarifier walls need scraped: **Yes**

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

**Comments/Status:**

. Clarifier walls are scraped once per week.

**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<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 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: **Fair**

**Comments/Status:**

Sand filter was ponded. Filters should be raked and leveled.

**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.