



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

Re: **Notice of Violation**  
Hardin County  
Roots Fairwayview Subdivision  
Eldridge Station Hills Estates  
NPDES Permits

March 6, 2013

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

Dear Mr. Smith:

On February 28, 2013, Jessica Heitman and I conducted an inspection of the wastewater treatment facilities serving the Roots Fairwayview Subdivision and Eldridge Station Hills Estates. 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 has been placed at the final discharge. Both sand filters were flooded due to the rain. The final effluent was clear, colorless and had no objectionable odor. A review of the discharge monitoring reports from August 2012 to February 2013 shows that there have been no effluent limit violations.

**Eldridge Station Hills Estates**

The aeration tanks had good mixing but the activated sludge was thin/watery. The final effluent discharge was slightly turbid with a slight gray color. A review of the discharge monitoring reports from August 2012 to February 2013 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 regard to the violations, noting that the chlorine tablets were not contacting the flow.

Our completed inspection reports are enclosed for your records. If you have any questions, please call me at (419) 373-3006.

Sincerely,

Peggy B. Christie  
Division of Surface Water

/jlm

Enclosures

pc: Hardin County Commissioners

ec: Tracking



State of Ohio Environmental Protection Agency  
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PG00005	OH0078999	02/28/13	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Eldridge Station 20127 County Road 144 Dudley Township	1:30 PM	October 1, 2008
	Exit Time	Permit Expiration Date
	2:00 PM	September 30, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Tim Mckee, Operator of Record	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	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>Plant effluent was slightly cloudy and had a very light gray color. No objectionable odors were detected. The activated sludge was thin/watery. Clarifier was clean. Clarifier walls are scraped once per week.</p>	
Inspector	Reviewer
 Peggy B. Christie Division of Surface Water Northwest District Office	 Thomas Poffenbarger, P.E. Water Quality Engineer III/Unit Supervisor Division of Surface Water Northwest District Office
3/4/13 Date	3/4/13 Date

OHIO ENVIRONMENTAL PROTECTION AGENCY  
 OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PG00005

Facility Name Eldridge Station Hills Estates Expiration Date September 30, 2013  
 Facility Location 20127 County Road 144 Date 2/28/12 Time 1:30 am (pm)  
 City \_\_\_\_\_ County Hardin Township Dudky Township  
 Name of Owner Hardin County Commissioners Owner <sup>address</sup> One Courthouse Square, Suite 100  
 Person Contacted Tim McKee Operator of Record Tim McKee and Michael Smith  
 Flow: Design 8,000 GPD WWTP Classification:     A or     I  
 Trib. Pop. 14 houses (actual - estimated) Weather at time of inspection: Temp. 35° Cloudy  
 OEPA Personnel Peggy Christie and Jessica Heidman District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	Clear	X None	Colorless
1	Mild	X		X
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

2. Effect of Effluent on Receiving Stream - Name: Not observed

None	Mild	Moderate	Serious

3. a. Plant has \_\_\_\_\_ excellent X good \_\_\_\_\_ fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent X good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance N/A

Not operating at expected efficiency due to:

- (1) \_\_\_\_\_ hydraulic overload  
 (2) \_\_\_\_\_ organic/solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) \_\_\_\_\_ equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) \_\_\_\_\_

Disinfection: (Required May 1 thru Oct. 31)	
IN	OUT
_____	<u>✓</u>
_____	<u>✓</u>
_____	_____

Chlorination Tablets  
 Dechlorination Tablets  
 Ultraviolet (U.V.)

Yes No

4. X \_\_\_\_\_ Compliance with NPDES Permit - Time Period: 8/1/2012 to 2/1/2013

Periodic Violations Y ✓ N Parameters: Fecal coliform  
 Chronic Violations \_\_\_\_\_

5. X \_\_\_\_\_ O & M logbook kept and available on site: Location Mailbox outside of Gate

6. X \_\_\_\_\_ Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)  
 (Class I - 3 days per week for minimum 1.5 hours per week)

7. X \_\_\_\_\_ Adequate Plant Safety: Deficiencies \_\_\_\_\_

Facility Name: Eldridge Station

Process	# Units	Unit	If Needed - Description and Comments	
Preliminary	1	Trash Trap	Pumping Frequency <i>every 3 months to Kenton</i> Pumping Frequency	
		Septic Tank		
		Grease Trap		
		Bar Screen		
		Comminutor		
Aeration Equipment	1	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <i>constant during winter</i>	
		Motor / Blower Unit		
Secondary Treatment	1	Aeration Tank	Color: <i>Thin / watery</i> Adequate Aeration <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Final Settling	1	Clarifier	<i>clean - under cloudy</i>	
		Sludge Return		
		Surface Skimmer		
		Fixed Media Clarifier		
Tertiary Treatment	<del>1</del>	Surface Sand Filter		
		Polishing Pond		
		Other		
Disinfection	1	Contact Tank		
		2	Chlorine Tube Feeder	
		2	Dechlorination Tube Feeder	
			Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time		
		<i>Estimated</i>	Recorder (continuous total)	
Pumps	1	Raw Wastewater (type)		
		Sand Filter Effluent Dosing		
Sludge Handling	1	Aerated Storage Tank		
		Sludge Drying Bed		
Sludge Disposal	1	Municipal POTW		
		Landfill		
		Land Application		
Advanced Treatment	1	Post Aeration		
		Spray Irrigation		
		Other		

**Eldridge Station NPDES # 2PG00005**

**Limit Violations from 8/1/2012 through 2/1/2013**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2012	Fecal Coliform	30D Conc	1000	4000.	8/1/2012
August 2012	Fecal Coliform	7D Conc	2000	4000.	8/15/2012



State of Ohio Environmental Protection Agency  
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding

Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2P000012	0H0039292	02/28/13	C	S	1

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Roots Fairwayview Subdivision 16210 State Route 309 Pleasant Township	12:30 PM	December 1, 2010
	Exit Time	Permit Expiration Date
	1:00 PM	November 30, 2015
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Tim Mckee, Operator of Record	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	

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

Section D: Summary of Findings (Attach additional sheets if necessary)

Plant effluent was clear, colorless and had no objectionable odors.  
The activated sludge was brown and healthy.  
Clarifier was clean. Upflow clarifier had a lot of sludge built up.  
The sand filters were flooded.  
Sludge holding tank and trash trap are pumped every three months and sludge is taken to Kenton.  
  
The county has purchased extra tubes for the chlorine tube feeder so that they can be alternated and cleaned.

Inspector

Reviewer

*Peggy B. Christie* 3/4/13  
Date

*Thomas Poffenbarger* 3/4/13  
Date

Peggy B. Christie  
Division of Surface Water  
Northwest District Office

Thomas Poffenbarger, P.E.  
Water Quality Engineer II/Unit Supervisor  
Division of Surface Water  
Northwest District Office

OHIO ENVIRONMENTAL PROTECTION AGENCY  
 OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PG00012

Facility Name Roots Fairwayview Subdivision Expiration Date Nov. 30, 2015

Facility Location 116120 State Route 309 Date 2/28/13 Time 2:30 am (PM)

City Kenton County Hardin Township Pleasant

Name of Owner Hardin County Commissioners Owner Phone \_\_\_\_\_

Person Contacted Mr. Tim McKee Operator of Record Tim McKee, Michael Smith

Flow: Design 33000 GPD WWTP Classification: A or X1

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 35° Cloudy

OEPA Personnel Peggy Christie, Jessica Heitman District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	<input checked="" type="checkbox"/> Clear	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Colorless
1	Mild			
2	Moderate	<input type="checkbox"/> Light Solids	<input type="checkbox"/> Musty	<input type="checkbox"/> Grey
3	Serious			
4	Extreme	<input type="checkbox"/> Heavy Solids	<input type="checkbox"/> Septic	<input type="checkbox"/> Black

2. Effect of Effluent on Receiving Stream - Name: Stream clear/colorless: no effect.

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Mild	<input type="checkbox"/> Moderate	<input type="checkbox"/> Serious
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3. a. Plant has \_\_\_\_\_ excellent  good \_\_\_\_\_ fair \_\_\_\_\_ poor \_\_\_\_\_ operation  
 b. Plant has \_\_\_\_\_ excellent  good \_\_\_\_\_ fair \_\_\_\_\_ poor \_\_\_\_\_ maintenance  
 c. Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good  fair \_\_\_\_\_ poor \_\_\_\_\_ maintenance- N/A

Not operating at expected efficiency due to:

- (1)  hydraulic overload - sand filters  
 (2) \_\_\_\_\_ organic/solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) \_\_\_\_\_ equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) \_\_\_\_\_

Disinfection: (Required May 1 thru Oct. 31)	
IN	OUT
_____	<input checked="" type="checkbox"/>
_____	_____
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	Ultraviolet (U.V.)

Yes No

4.  Compliance with NPDES Permit - Time Period: 8/1/12 to 2/1/13

Periodic Violations Y  Parameters: \_\_\_\_\_

Chronic Violations \_\_\_\_\_

5.  O & M logbook kept and available on site: Location Mailbox at gate

6.  Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)  
 (Class I - 3 days per week for minimum 1.5 hours per week)

7.  Adequate Plant Safety: Deficiencies \_\_\_\_\_

Facility Name: Roots Fairwayview

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency <i>1 every 3 months</i>
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		1	Flow Equalization
Aeration Equipment	2	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <i>Runs constantly in winter</i>
		Motor / Blower Unit	
Secondary Treatment	3	Aeration Tank	Color: <i>Good/Healthy</i> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	1	Clarifier	
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In <input checked="" type="checkbox"/> Out
		1	Fixed Media Clarifier <i>(upflow)</i>
Tertiary Treatment	2	Surface Sand Filter	<i>Flooded</i>
		Polishing Pond	
			Other
Disinfection	1	Contact Tank	
	4	Chlorine Tube Feeder	<i>off (County has purchased extra feeders so they can be cleaned periodically)</i>
	4	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	1	Recorder (continuous total)	<i>on effluent</i>
Pumps	2	Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	<i>pumped every 3 months</i>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	<i>Kenton</i>
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	