



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

Re: **Notice of Violation**
Hardin County
Reed Road Subdivision
NPDES Permits

February 27, 2013

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

Dear Mr. Smith:

On February 13, 2013, Ryan Gierhart and I conducted an inspection of the wastewater treatment facility serving the Reed Road Subdivision. The wastewater treatment plant (WWTP) is located at 17017 Township Road 39, McDonald Township, Hardin County. At the time of the inspection, all major treatment units were in operation. The effluent to the Scioto River was clear, colorless and had no noticeable odor.

The contents of the aeration tank had good color and mixing but appeared thin/watery. The northwest sand filter was flooded. There is a crack in the northeast corner of the sand filter and wastewater was leaking and ponding on the ground around the sand filter. This needs to be repaired as soon as weather will allow. The southeast sand filter had sludge on it and needs to be cleaned. The clarifier had a blanket of sludge on the surface and should be cleaned. A follow-up inspection will be conducted to determine that these actions have been completed.

A review of the discharge monitoring reports from August 2012 to January 2013 revealed that there were several effluent limit violations. I have enclosed a copy for your review.

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

Sincerely,

A handwritten signature in black ink that reads "Peggy B. Christie". The signature is written in a cursive, flowing style.

Peggy B. Christie
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

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PG00004	OH0078981	02/13/13	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	11:30 AM	October 1, 2008
	Exit Time	Permit Expiration Date
	12:15 PM	September 30, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Did not meet anyone on-site (Mr. Tim Mckee, Operator of Record)	N/A	
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	N	Flow Measurement	S	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
M	Operations & Maintenance	M	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	S	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
<p>Plant effluent was clear, colorless and had no odor. Northwest sand bed was flooded. North corner of the bed was cracked and water was leaking and pooling on the ground around the sand filter. See attached photographs. Southeast bed had sludge on it and needs to be cleaned. The clarifier had a lot of sludge on the surface. Log book noted that seed was added to the aeration tank on 2/10, but the activated sludge appeared thin/watery.</p>	
Inspector	Reviewer
 Peggy B. Christie Division of Surface Water Northwest District Office Date: 2/15/13	 Thomas Poffenbarger, P.E. Water Quality Engineer II/Unit Supervisor Division of Surface Water Northwest District Office Date: 2/19/13

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PG00004

Facility Name Reed Road WWTP Expiration Date September 30, 2013

Facility Location 17017 Township Road 39(Reed Road) Date 02/13/13 Time 11:30 am

City _____ County Hardin Township McDonald

Name of Owner Hardin Co. Commissioners, One Courthouse Square, Suite 100, Kenton, OH 43326 Phone 419-674-2222

Person Contacted N/A Operator of Record Mr. Tim McKee

Flow: Design 7200 GPD WWTP Classification: A or X I

Trib. Pop. 19 Homes (actual - estimated) Weather at time of inspection: Temp 20's ° Cloudy

OEPA Personnel Peggy Christie and Ryan Gierhart District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description		Turbidity		Odor		Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
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
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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 X 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	
_____	_____	Chlorination Tablets
_____	_____	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

Yes No

4. x Compliance with NPDES Permit - Time Period: 08/01/12 to 01/31/13

Y N Parameters:
 Periodic Violations _____ X Fecal Coliform & TSS
 Chronic Violations _____

5. x O & M logbook kept and available on site: Location In a mailbox

6. N/A 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)
Staffing not requirement on the current permit

7. x Adequate Plant Safety: Deficiencies _____

Facility Name: Reed Road WWTP

Process	# Units	Unit	If Needed -- Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer ____Y ____N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Chocolate Brown, but thin/watery. Adequate Aeration Y ____ N ____
Final Settling	1	Clarifier	Sludge build up on the surface of the clarifier
	2	Sludge Return	In <input checked="" type="checkbox"/> Out
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	NW bed flooded, North corner cracked and wastewater leaking and pooling on the ground.
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Reed Road STP 2PG00004

Limit Violations from 8/1/12 through 1/31/13

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
Aug-12	Fecal Coliform	30D Conc	1000	4000	8/1/2012
Aug-12	Fecal Coliform	7D Conc	2000	4000	8/22/2012
Nov-12	Total Suspended Solids	30D Conc	12	23	11/1/2012
Nov-12	Total Suspended Solids	7D Conc	18	23	11/22/2012

