



State of Ohio Environmental Protection Agency

Northwest District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Seneca County
Honey Creek Subdivision
Sewerage

May 15, 2009

Seneca County Commissioners
81 Jefferson Street
Tiffin, Ohio 44883

Dear Commissioners:

On September 9, 2008, an inspection of the wastewater treatment facility which serves Honey Creek Subdivision was made. Mr. Brad Borer, Technical Consultant/Certified Operator, was present and provided information regarding the plant's operation. Observations and recommendations noted during the inspection are as follows:

1. The plant was operating and had what appeared to be adequate aeration at the time of the inspection.
2. A float system has been added to the comminutor so that it runs as needed, based on flows.
3. During dry flow conditions the original aeration tank is bypassed. At the time of the inspection, this tank was being aerated, but was not receiving flow.
4. Four sludge returns and two skimmers were in use.
5. The clarifier hopper walls are scraped down twice per week. Scraping of the clarifier hopper walls on a more frequent basis is recommended to reduce sludge bulking.
6. A clear effluent was observed discharging from the weir.
7. The northwest sand filter was in use, where some ponding and weed growth was observed. It was indicated that flow was to be switched to one of the other three filters that were clean and ready for use. The original two sand filters are available as needed. Any weed growth should be removed from the filters as soon as it appears.

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8. Ultraviolet (UV) disinfection was in use. Disinfection must be provided from May through October.
9. It was indicated that the flow meter was not operational, and a pump run timer on the sand filter dosing pumps was in use. The data being reported on the discharge monitoring reports (DMRs) appears to be an averaged flow based on numerous days. Flows are to be reported daily as required by the NPDES permit.

A compliance review of your discharge monitoring reports (DMRs) has also been conducted. A list of permit violations (September 2006 - March 2009) is enclosed.

If there are any questions, please advise.

Yours truly,



Mary Beth Cohen
Division of Surface Water
/llr

Enclosure

pc: Seneca County General Health District
Mr. Brad Borer, Certified Operator
Ms. Ann Bishop, Seneca Regional Planning Commission
DSW-NWDO File 3

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00107

Facility Name Honey Creek Subdivision Expiration Date 4/30/2012

Facility Address Township Road 1177 Date 09/09/2008 Time 11:00 am

City Tiffin County Seneca Township Clinton

Name and Address of Owner Seneca County Commissioners, 81 Jefferson St., Tiffin, OH 44883

Person Contacted Brad Borer, Certified Operator Owner Phone _____

Flow: Design 50,000 GPD Present 14,000 (based on reported averages) GPD (metered)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp warm / clear

OEPA Personnel Mary Beth Cohen District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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: Honey Creek - not observed

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

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

d. 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
<input checked="" type="checkbox"/>	_____ Ultraviolet (U.V.)

Yes No

4. _____ Compliance with NPDES Permit
 Periodic Violations Y N Parameters: _____
 Chronic Violations _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service

Name Brad Borer, Certified Operator
 Frequency of Visits 2/ week

Facility Name: **Honey Creek Subdivision**

Process	# Units	Unit	If Needed – Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
	√	Comminutor	<i>Muffin Monster w/ float system on/off</i>
	√	Flow Equalization	
Aeration Equipment	√	Motor / Blower Unit	Cycle Time:
Secondary Treatment	√	Aeration Tank	Color: <i>Brown</i> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	√	Clarifier	
	√	Sludge Return	<i>Four (4) – all operating</i>
	√	Surface Skimmer	<i>Two(2) – both operating</i>
	√	Fixed Media Clarifier	<i>In operation</i>
Tertiary Treatment	√	Surface Sand Filter	<i>Four (4) beds, NW filter bed in use (2 add'l old beds for use as needed)</i>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	√	Ultraviolet (UV)	<i>Operating (spare unit available)</i>
Flow Metering	Out	Elapsed Pump Time	<i>Repair /replace needed</i>
	Out	Recorder (continuous total)	
Pumps	√	Raw Wastewater (type)	
	√	Sand Filter Effluent Dosing	<i>Pump run timer – temp. use for flow metering</i>
Sludge Handling	√	Aerated Storage Tank	<i>available</i>
		Sludge Drying Bed	
Sludge Disposal	√	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Honey Creek Subdivision 2PR00107
 Effluent limit violations (Sept 2006 thru March 2009)

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2006	001	31616	Fecal Coliform	30D Conc	1000	1000.	9/1/2006
June 2008	001	80082	CBOD 5 day	30D Conc	10	11.75	6/1/2008
April 2008	001	00530	Total Suspended Solids	30D Conc	12	15.5	4/1/2008
May 2008	001	80082	CBOD 5 day	7D Conc	15	16.	5/1/2008
October 2007	001	80082	CBOD 5 day	7D Conc	15	17.	10/15/2007
June 2008	001	80082	CBOD 5 day	7D Conc	15	25.	6/1/2008
April 2008	001	00530	Total Suspended Solids	7D Qty	3.4	4.96214	4/15/2008
April 2008	001	00530	Total Suspended Solids	7D Conc	18	57.	4/15/2008