



**Environmental
Protection Agency**

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

Re: Seneca County
Honey Creek Subdivision
Sewerage

March 23, 2012

Seneca County Commissioners
111 Madison Street
Tiffin, Ohio 44883

Dear Commissioners:

On January 6, 2012, an inspection of the wastewater treatment facility that 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. It was indicated that the comminutor no longer works. The comminutor should be repaired or replaced as soon as possible.
3. At the time of the inspection, the original aeration tank was being bypassed. Aeration is maintained in the tank and is used as needed during high flows (wet weather).
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. The fixed media clarifier was in use.
7. The northwest sand filter was in use at the time of the inspection and was noted to be full of ponded water. The other filters 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. Disinfection must be provided from May through October. This facility uses ultraviolet (UV) disinfection, which was out for the season.
9. **Flows are to be reported daily as required by the NPDES permit.** The data being reported on the discharge monitoring reports (DMRs) appears to be an averaged flow based on numerous days. It was indicated that the flow meter is still not operational, and a pump run timer on the sand filter dosing pumps was in use. The flow meter should be returned to service as soon as possible.

A compliance review of your discharge monitoring reports (DMRs) was conducted. A list of permit violations (April 2009 thru February 2012) is enclosed.

If there are any questions, please advise.

Yours truly,


Mary Beth Cohen
Division of Surface Water

/jlm

Enclosure

cc: Seneca County General Health District
Mr. Mark Zimmerman, Seneca County Engineer
Mr. Brad Borer, Certified Operator
Inspection Tracking

Honey Creek Subdivision 2PR00107
Effluent limit violations (April 2009 thru February 2012)

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
November 2009	80082	CBOD 5 day	7D Conc	15	16.	11/1/2009
January 2012	00530	Total Suspended Solids	7D Conc	18	19.	1/1/2012

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 01/06/2012 Time 10:20 am

City Tiffin County Seneca Township Clinton

Name and Address of Owner Seneca County Commissioners, 111 Madison St., Tiffin, OH 44883

Person Contacted Brad Borer, Certified Operator Owner Phone _____

Flow: Design 50,000 GPD Present 14,000 (reported average) GPD (metered)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp cool/ 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	
	<i>Does not work</i>	Comminutor	<i>Needs to be repaired /replaced Muffin Monster w/ float system on/off</i>
	√	Flow Equalization	
Aeration Equipment	√	Motor / Blower Unit	Cycle Time: Color: <i>Brown</i> Adequate Aeration Y <input checked="" type="checkbox"/> N
Secondary Treatment	√	Aeration Tank	
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 (one side in use)</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	
	<i>Out for season</i>	Ultraviolet (UV)	<i>Operating (spare unit available)</i>
Flow Metering	<i>Out</i>	Elapsed Pump Time	<i>Needs to be repair /replace</i>
	<i>Out</i>	Recorder (continuous total)	<i>Needs to be repair /replace</i>
Pumps	√	Raw Wastewater (type)	
	√	Sand Filter Effluent Dosing	<i>Pump run timer – currently used for flow metering</i>
Sludge Handling	√	Aerated Storage Tank	<i>available</i>
		Sludge Drying Bed	
Sludge Disposal	√	Municipal POTW	<i>Also used for seeding at other plants</i>
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	