



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korfeski, Director

Re: Seneca County
Hammer Heinsman Estates
Sewerage

December 9, 2010

Seneca County Commissioners
111 Madison Street
Tiffin, Ohio 44883

Dear County Commissioners:

On September 9, 2010, an inspection of the wastewater treatment facility which serves Hammer Heinsman Estates was made. Mr. Brad Borer, Certified Operator, was present and provided information regarding the plant's operation. Observations and recommendations noted during the inspection are as follows:

1. The aeration tanks were in operation and there appeared to be adequate aeration at the time of the inspection.
2. The newer clarifier was in use with the older clarifier being used as needed during high flows. An inlet baffle has been added in the older clarifier.
3. The northwest sand filter was in use at the time of the inspection. Minimal weed growth was noted in the filters. The filters need to be cleaned, leveled and kept free of weed growth at all times.
4. The clarifier hopper walls are scraped down twice per week.
5. Ultraviolet (UV) disinfection was in use. Disinfection must be provided from May through October.

A review of your discharge monitoring reports (DMRs) has also been conducted. A list of permit violations (April 2009 – October 2010) is enclosed.

If there are any questions, please advise.

Yours truly,

Mary Beth Cohen
Division of Surface Water

/cs
Enclosure

pc: Seneca County General Health District
Mr. Brad Borer, Certified Operator
DSW-NWBG File

Hammer Heinsman Estates WWTP 2PG00011*DD

Final Effluent Limit Violations (outfall 001) 04/2009 thru 10/2010

Reporting		Reporting			Reported		
Reporting Period	Code	Parameter	Limit Type	Limit	Value	Violation Date	
April 2009	80082	CBOD 5 day	30D Qty	1.1	1.18092	4/1/2009	
April 2009	80082	CBOD 5 day	1D Qty	1.7	2.36184	4/6/2009	
August 2010	31616	Fecal Coliform	30D Conc	200	850.	8/1/2010	
August 2010	31616	Fecal Coliform	1D Conc	400	850.	8/9/2010	
September 2010	31616	Fecal Coliform	30D Conc	200	550.	9/1/2010	
September 2010	31616	Fecal Coliform	1D Conc	400	550.	9/6/2010	

Final Effluent Frequency Violations (outfall 001) 04/2009 thru 10/2010

Reporting		Reporting			Reported		
Reporting Period	Code	Parameter	Limit Type	Limit	Value	Violation Date	
May 2009	00530	Total Suspended Solids	1/2Weeks	1	0	05/15/2009	
May 2009	00610	Nitrogen, Ammonia (NH3)	1/2Weeks	1	0	05/15/2009	
May 2009	80082	CBOD 5 day	1/2Weeks	1	0	05/15/2009	
May 2009	00300	Dissolved Oxygen	1/2Weeks	1	0	05/15/2009	

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTPAS LESS THAN 25,000 GPD

NPDES Permit No. 2PG00011

Facility Name Hammer Heinsman Estates Expiration Date 9/30/2010

Facility Address T.R. 1163 Date 09/09/2010 Time 9:10 am

City Fostoria County Seneca Township Loudon

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

Person Contacted Brad Borer, Certified Operator Owner Phone _____

Flow: Design 30,000 GPD Present 16,000 (12 mo avg.) GPD (metered)

Trib. Pop. ~ 67 homes (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	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	Black

2. Effect of effluent on Receiving Stream Name: Wolf Creek

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	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	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: **Hammer Heinsman Estates**

Process	# Units	Unit	If Needed – Description and Comments
Preliminary	√	Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	√	Plant Timer ____Y ____N Motor / Blower Unit	Cycle Time:
Secondary Treatment	√	Aeration Tank	Color: <i>Dark brown</i> Adequate Aeration Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	√	Clarifier	<i>Some floating solids observed</i>
	√	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</i>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	√	Ultraviolet (UV)	<i>Operating</i>
Flow Metering	√	Parshall flume weir	
		Recorder (continuous total)	
Pumps	√	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	