



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Seneca County
Hammer Heinsman Estates
Sewerage

May 7, 2009

Seneca County Commissioners
81 Jefferson Street
Tiffin, Ohio 44883

Dear County Commissioners:

On September 9, 2008, an inspection of the wastewater treatment facility which serves Hammer Heinsman Estates 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:

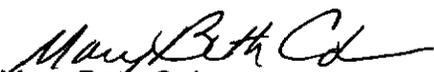
1. The plant was operating and had what appeared to be adequate aeration at the time of the inspection.
2. The newer clarifier was in use with the older clarifier being used as needed during high flows.
3. A slight weed growth was observed on the southwest sand filter, which was in use at the time of the inspection.
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.
6. It was again noted that the installation of the storm sewer within the subdivision has reduced inflow and infiltration to the plant.

A review of your discharge monitoring reports (DMRs) has also been conducted. A list of permit violations (March 2005-March 2009) is enclosed.

Seneca County Commissioners
May 7, 2009
Page 2

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
(DSW-NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S 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 09/09/2008 Time 9:45 am

City Fostoria County Seneca Township Loudon

Name and Address of Owner Seneca County Commissioners, 81 Jefferson 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						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		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						
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: **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. √ 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, SW filter bed in use</i>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	√	Ultraviolet (UV)	<i>Operating</i>
Flow Metering	√	Elapsed Pump Time	
		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	

Hammer Heinsman Estates WWTP 2PG00011*DD
Final Effluent Violations (outfall 001) 03/2005 thru 03/2009

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2005	00530	Total Suspended Solids	1D Conc	18	20.	12/15/2005
July 2006	50060	Chlorine, Total Residu	1D Conc	0.038	1.	7/1/2006
January 2007	00530	Total Suspended Solids	30D Conc	12	14.5	1/1/2007
April 2007	00530	Total Suspended Solids	1D Conc	18	19.	4/10/2007
July 2007	31616	Fecal Coliform	30D Conc	200	260.	7/1/2007
July 2007	80082	CBOD 5 day	30D Conc	10	10.3333	7/1/2007
August 2007	80082	CBOD 5 day	1D Qty	1.7	1.8168	8/20/2007
December 2007	80082	CBOD 5 day	30D Conc	10	13.	12/1/2007
December 2007	80082	CBOD 5 day	30D Qty	1.1	1.26041	12/1/2007
December 2007	80082	CBOD 5 day	1D Conc	15	18.	12/17/2007
December 2007	80082	CBOD 5 day	1D Qty	1.7	1.70325	12/17/2007
January 2008	00530	Total Suspended Solids	30D Conc	12	13.5	1/1/2008
March 2008	00530	Total Suspended Solids	30D Conc	12	26.	3/1/2008
March 2008	00530	Total Suspended Solids	30D Qty	1.4	2.17638	3/1/2008
March 2008	00530	Total Suspended Solids	1D Conc	18	46.	3/3/2008
March 2008	00530	Total Suspended Solids	1D Qty	2.0	3.83042	3/3/2008
September 2008	31616	Fecal Coliform	1D Conc	400	500.	9/1/2008
February 2009	00530	Total Suspended Solids	30D Conc	12	15.	2/1/2009
February 2009	00530	Total Suspended Solids	1D Conc	18	20.	2/2/2009