



Environmental  
Protection Agency

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

Re: Williams County  
Hickory Hills Subdivision  
NPDES Permit

September 27, 2011

Williams County Commissioners  
One Courthouse Square  
Bryan, Ohio 43506

Dear Commissioners:

On September 14, 2011, an operation and maintenance inspection was made of the wastewater treatment plant serving Hickory Hills Subdivision. The treatment facility is located along State Route 34 in Springfield Township, Williams County. Mr. Steve Bowling was present and provided information regarding the operation of the treatment plant. This inspection was conducted as part of your National Pollutant Discharge Elimination System (NPDES) permit No. 2PG00084.

At the time of the inspection, the treatment facility was in operation and the contents of the aeration tank were light brown with good roll. The polishing pond was covered with duckweed and a clear final discharge (low flow) from the polishing pond was noted during the inspection.

Our review of your discharge monitoring reports (1/1/2010 to 9/1/2011) for this facility indicated numerous effluent violations. Please refer to the enclosed violation table. In order to avoid escalated enforcement action, steps must be taken to eliminate these violations as soon as possible.

Our completed inspection form is enclosed for your review. If you have any questions or comments please call Jason Ko at (419) 373-3021.

Yours truly,

Elizabeth A. Wick, PE  
Water Quality Engineer/Section Manager  
Division of Surface Water

CK/cs

Enclosures

pc: Willis Allomong, WW Operator  
←DSW, NWDO File ;



**OHIO ENVIRONMENTAL PROTECTION AGENCY  
OPERATION AND MAINTENANCE INSPECTION**

NPDES Permit No. 2PG00084

Facility Name: Hickory Hills Subdivision Expiration Date: May 31, 2012

Facility Address: State Route 34 Date: 9/14/2011 Time: 9:45 am

City: Bryan County: Williams Township: Springfield

Name and Address of Owner: Marion County commissioners, Courthouse, Bryan, OH 43506

Person Contacted: Mr. Steve Bowling, Operator Phone: (419) 636-8739

Flow: Design: 5,500 GPD Present          GPD

Trib. Pop. 10 homes (estimated) Weather at time of inspection: Temp Sunny & 70

OEPA Personnel: Jason Ko District: NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	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

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 X fair          poor operation  
 b. Plant has          excellent          good X 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  
X             Chlorination  
                  Dechlorination  
                  U.V

- |    |                          |                                   |                     |                                      |                 |                 |                |
|----|--------------------------|-----------------------------------|---------------------|--------------------------------------|-----------------|-----------------|----------------|
| 4. | <u>        </u> <u>X</u> | Compliance with NPDES Permit      | Periodic Violations | <u>        </u> <u>        </u>      | Yes             | No              | Parameters     |
| 5. | <u>X</u> <u>        </u> | Adequate Plant Safety             | Chronic Violation   | <u>X</u> <u>        </u>             | <u>        </u> | <u>        </u> | <u>Various</u> |
| 6. | <u>X</u> <u>        </u> | Operation and Maintenance Service | Name:               | <u>Williams County Sanitary Dept</u> |                 |                 |                |

Frequency of Visits: Daily



Facility Name: Hickory Hills Subdivision

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 2/year
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment		Plant Timer <u>X</u> <u>Y</u> <u>N</u>	Cycle Time: 22 hrs "ON" & 2 hrs "OFF"
	1	Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Light brown Adequate Aeration: Y <u>X</u> N <u>   </u>
Final Settling	1	Clarifier	
	1	Sludge Return	In <u>X</u> Out <u>   </u>
	1	Surface Skimmer	In <u>X</u> Out <u>   </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	IN	Polishing Pond	Covered w/ duckweed
		Other	
Disinfection	IN	Chlorine	
	Out	Dechlorination	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	IN	Other	Use design flow
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	IN	Post Aeration	Aeration provided at pond outlet
		Spray Irrigation	
		Other	



Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00084*ED	January 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.79	1/12/2010
2PG00084*ED	January 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.96	1/25/2010
2PG00084*ED	March 2010	001	00400	pH	1D Conc	9.0	9.92	3/9/2010
2PG00084*ED	June 2010	001	31616	Fecal Coliform	30D Conc	1000	6400.	6/1/2010
2PG00084*ED	June 2010	001	31616	Fecal Coliform	7D Conc	2000	6400.	6/1/2010
2PG00084*ED	July 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.9	5.44	7/1/2010
2PG00084*ED	July 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.4	5.44	7/1/2010
2PG00084*ED	July 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.11325	7/1/2010
2PG00084*ED	July 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.09	.11325	7/1/2010
2PG00084*ED	July 2010	001	80082	CBOD 5 day	30D Conc	10	23.	7/1/2010
2PG00084*ED	July 2010	001	80082	CBOD 5 day	7D Conc	15	23.	7/1/2010
2PG00084*ED	July 2010	001	80082	CBOD 5 day	30D Qty	0.2	.4788	7/1/2010
2PG00084*ED	July 2010	001	80082	CBOD 5 day	7D Qty	0.3	.4788	7/1/2010
2PG00084*ED	July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.98	7/20/2010
2PG00084*ED	July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.73	7/27/2010
2PG00084*ED	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.9	3.68	8/1/2010
2PG00084*ED	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.07661	8/1/2010
2PG00084*ED	August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.52	8/3/2010
2PG00084*ED	August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.24	8/10/2010
2PG00084*ED	August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.87	8/17/2010
2PG00084*ED	August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.78	8/24/2010
2PG00084*ED	September 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.9	4.42	9/1/2010
2PG00084*ED	September 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.4	4.42	9/1/2010
2PG00084*ED	September 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.09201	9/1/2010
2PG00084*ED	September 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.09	.09201	9/1/2010
2PG00084*ED	October 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.9	5.47	10/1/2010
2PG00084*ED	October 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.4	5.47	10/1/2010
2PG00084*ED	October 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.11387	10/1/2010
2PG00084*ED	October 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.09	.11387	10/1/2010
2PG00084*ED	February 2011	001	00300	Dissolved Oxygen	1D Conc	6.0	5.11	2/8/2011
2PG00084*ED	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.9	3.29	6/1/2011
2PG00084*ED	June 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.4	6.48	6/1/2011
2PG00084*ED	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.06849	6/1/2011



2PG00084*ED	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.09	.1349	6/1/2011
2PG00084*ED	June 2011	001	31616	Fecal Coliform	30D Conc	1000	3200.	6/1/2011
2PG00084*ED	June 2011	001	31616	Fecal Coliform	7D Conc	2000	3200.	6/1/2011
2PG00084*ED	July 2011	001	00530	Total Suspended Solids	30D Conc	30	46.5	7/1/2011
2PG00084*ED	July 2011	001	00530	Total Suspended Solids	7D Conc	45	93.	7/1/2011
2PG00084*ED	July 2011	001	00530	Total Suspended Solids	30D Qty	0.6	.96801	7/1/2011
2PG00084*ED	July 2011	001	00530	Total Suspended Solids	7D Qty	0.9	1.93603	7/1/2011
2PG00084*ED	July 2011	001	00300	Dissolved Oxygen	1D Conc	6.0	5.12	7/12/2011
2PG00084*ED	July 2011	001	00300	Dissolved Oxygen	1D Conc	6.0	2.82	7/19/2011
2PG00084*ED	July 2011	001	00300	Dissolved Oxygen	1D Conc	6.0	4.92	7/26/2011

