



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.  
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769  
www.epa.state.oh.us

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

September 16, 2009

RE: SUMMIT COUNTY  
PENINSULA  
HUDSON ESTATES  
PRE-PERMIT INSPECTION  
NPDES NO. OHOO98299  
OHIO EPA NO. 3PY00003

Mr. Julio Jaramillo, Mgt. Member  
Hudson Estates  
4364 Sandy Lake Road  
Ravenna, OH 44266

Dear Mr. Jaramillo:

On September 14, 2009, a pre-permit inspection was conducted at the wastewater treatment plant serving Hudson Estates mobile home park. The plant consists of trash traps, a flow splitter box, two 20,000 gpd extended aeration treatment plants, a dosing chamber, surface sand filters, and UV disinfection. Also present is an aerobic sludge digester and a sludge drying bed. The plant discharges to Salt Run via a storm sewer.

During the inspection, the following observations were made:

1. The flow splitter box needs a new concrete lid for safety reasons. The concrete lid in the grassy area between the flow splitter and the aerobic sludge digester also needs replaced.
2. The mixed liquor in the aeration tank appeared to be slightly dark in color. Perhaps it is time to waste solids from the system.
3. The clarifiers were in poor condition. There were lots of solids in the clarifier, and the skimmers appeared to be set too high. The sludge return lines did appear to be working. It is recommended the clarifiers be pumped out.
4. It appeared that one side of the sand filter was being utilized, and was flooded with green algae covered solids. Both sides of the filters need weeded and cleaned of solids. Also, both sides' distribution arms and splash pads need repaired/replaced. The sand filter may also need new sand.
5. The sludge drying bed appears to be out of commission; the concrete walls appear to be crumbling.
6. Rags and solids etc. removed from tanks shall be placed in the dumpster which is on site. Some were seen on the ground.

Mr. Julio Jaramillo  
Hudson Estates  
September 16, 2009  
Page 2

Upon review of the Discharge Monitoring Reports (DMRs) from September 2006 to September 2009, the following numeric effluent violations were noted:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2006	001	Dissolved Oxygen	1D Conc	6.0	5.7	9/7/2006
October 2006	001	Dissolved Oxygen	1D Conc	6.0	5.8	10/12/2006
March 2007	001	Total Suspended Solids	30D Qty	1.8	4.21081	3/1/2007
March 2007	001	Total Suspended Solids	7D Qty	2.7	6.06357	3/1/2007
March 2007	001	Total Suspended Solids	7D Qty	2.7	4.04238	3/8/2007
March 2007	001	Total Suspended Solids	7D Qty	2.7	6.06357	3/22/2007
April 2007	001	Dissolved Oxygen	1D Conc	6.0	5.5	4/25/2007
May 2007	001	Dissolved Oxygen	1D Conc	6.0	5.	5/2/2007
May 2007	001	Dissolved Oxygen	1D Conc	6.0	5.	5/23/2007
June 2007	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.3	6/1/2007
June 2007	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	3.3	6/1/2007
June 2007	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	3.3	6/15/2007
July 2007	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.025	7/1/2007
July 2007	001	Nitrogen, Ammonia (NH3	30D Qty	0.23	.29042	7/1/2007
July 2007	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	4.25	7/15/2007
July 2007	001	Nitrogen, Ammonia (NH3	7D Qty	0.35	.45685	7/15/2007
October 2007	001	Total Suspended Solids	30D Conc	12	13.	10/1/2007
October 2007	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	14.51	10/1/2007
October 2007	001	Nitrogen, Ammonia (NH3	30D Qty	0.23	.98857	10/1/2007
October 2007	001	Total Suspended Solids	7D Conc	18	29.	10/8/2007
October 2007	001	Total Suspended Solids	7D Conc	18	21.	10/15/2007
October 2007	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	29.	10/15/2007
October 2007	001	Nitrogen, Ammonia (NH3	7D Qty	0.35	1.97577	10/15/2007
August 2008	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	6.415	8/1/2008
August 2008	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	12.5	8/1/2008
August 2008	001	Nitrogen, Ammonia (NH3	30D Qty	0.23	.80221	8/1/2008
August 2008	001	Nitrogen, Ammonia (NH3	7D Qty	0.35	1.59443	8/1/2008
August 2008	001	CBOD 5 day	7D Conc	15	21.	8/8/2008
January 2009	001	Nitrogen, Ammonia (NH3	30D Conc	4.0	12.15	1/1/2009
January 2009	001	Nitrogen, Ammonia (NH3	7D Conc	6.0	11.9	1/1/2009
January 2009	001	Nitrogen, Ammonia (NH3	7D Conc	6.0	12.4	1/15/2009
February 2009	001	Nitrogen, Ammonia (NH3	30D Conc	4.0	5.525	2/1/2009
February 2009	001	Nitrogen, Ammonia (NH3	7D Conc	6.0	6.8	2/15/2009
March 2009	001	Total Suspended Solids	30D Conc	12	15.6666	3/1/2009
March 2009	001	Nitrogen, Ammonia (NH3	30D Conc	4.0	13.65	3/1/2009
March 2009	001	Nitrogen, Ammonia (NH3	7D Conc	6.0	10.3	3/1/2009
March 2009	001	CBOD 5 day	30D Conc	10	11.25	3/1/2009
March 2009	001	Total Suspended Solids	7D Conc	18	30.	3/15/2009
March 2009	001	Nitrogen, Ammonia (NH3	7D Conc	6.0	17.	3/15/2009
March 2009	001	CBOD 5 day	7D Conc	15	21.	3/15/2009
April 2009	001	Total Suspended Solids	30D Conc	12	12.5	4/1/2009
April 2009	001	Total Suspended Solids	7D Conc	18	27.	4/22/2009

Mr. Julio Jaramillo  
Hudson Estates  
September 16, 2009  
Page 3

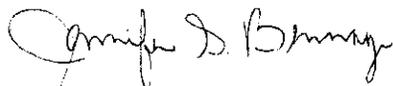
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2009	001	Dissolved Oxygen	1D Conc	6.0	5.6	5/6/2009
June 2009	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.025	6/1/2009
June 2009	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	4.5	6/1/2009
June 2009	001	Dissolved Oxygen	1D Conc	6.0	3.3	6/10/2009
July 2009	001	Nitrogen, Ammonia (NH3	30D Conc	1.5	4.05	7/1/2009
July 2009	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	3.9	7/1/2009
July 2009	001	Nitrogen, Ammonia (NH3	7D Conc	2.3	4.2	7/15/2009

Please be advised such instances of noncompliance are subject to enforcement pursuant to ORC 6111. Furthermore, Part III of your NPDES permit requires that non-compliance notification be sent in writing to this office. Your wastewater operator also needs to explain the reason for the above effluent violations, and the planned course of action to avoid future violations.

Furthermore, this office has questions concerning the variable flow being reported. Is there possibly a problem with the plant's flow meter? Also, this office would like a written report from your wastewater operator explaining the extreme number of ammonia and suspended solids violations. Once the operator makes repairs to the wastewater treatment plant, this office requests to be contacted so that a follow-up inspection can be conducted.

In conclusion, your renewal NPDES permit will contain the same effluent limits and monitoring requirements. If you have any questions, please contact this office at (330) 963-1151.

Sincerely,



Jennifer S. Bennage  
Environmental Engineer  
Division of Surface Water

JSB/mt

cc: Dwane Stull, Wastewater Operator  
Buckeye Portfolio MHC, LLC  
Summit County Health Department