



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 22, 2008

RE: WAYNE COUNTY
WAYNE TOWNSHIP
SPRUCE TREE VILLAGE
5854 CLEVELAND ROAD

Mr. Jim Homan
Spruce Tree Village
5854 Cleveland Road
Wooster, OH 44691

Dear Mr. Homan:

On December 9, 2008, this writer and Chris Moody of this office, met with you and Rick Jackson to conduct an inspection of the wastewater treatment plant serving Spruce Tree Village. The intent of the inspection was to evaluate the operations and maintenance of the wastewater treatment plant.

Currently, the mobile home park consists of about 82 units. The mobile home park utilizes a 20,000 gpd package plant which discharges to the Little Apple Creek. The package plant consists of a trash trap, flow equalization tank, sludge holding tank, extended aeration package plant, surface sand filters, chlorination and dechlorination. Our inspection of the wastewater plant revealed the following.

Our office issued a permit-to-install for an upgraded sewage treatment facility in February 2007 (PTI 574453). The upgrades were installed in May 2008 and consist of a 15,000 gallon flow equalization tank and a 4,000 gallon sludge holding tank. The average flow to the wastewater treatment plant is about 12,000 to 15,000 gpd.

Overall, the plant appeared to be in very good operation and maintenance condition. The treatment plant was producing what appeared to be a satisfactory quality effluent. Mr. Homan indicated the trash trap was just cleaned out before the inspection and is cleaned out at least every three to six months.

The mixed liquor in the aeration tank was chocolate brown in color and the tank was provided with good air circulation and adequate rollover. The sludge return line was in operation. The skimmer was visible and the skimmer return was in operation. The settling tank had some floating solids on the surface but the effluent was clear. The weirs sidewalls of the settling tank are scraped down and cleaned monthly. Sludge had just been wasted from the facility the morning of the inspection. It is our understanding the sludge removed from the system is pumped by a certified hauler to a Lodi or Canton wastewater treatment plant.

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The sand filters appeared to be in good condition at the time of the inspection. The surface sand filter beds should be raked frequently to deter the growth of weeds and to perform periodic solids removal.

The chlorine contact tank was in good condition. The chlorination and dechlorination system was not in service at the time of the inspection because the disinfection season is over. The effluent sample pit is located right after the dechlorination chamber. The final effluent at the creek was inspected and observed to be in good condition.

A summary of the wastewater treatment plant discharge violations for the period of January 2006 through November 2008 has been attached to this letter. We encourage you to review all plant data to determine whether these violations are accurate or if there was a reporting error by the lab or our data collection program. Any reporting errors or eDMR errors must be reported to this office so the error can be resolved. You may contact Mr. James Roberts of this Agency's Central Office at (614) 644-2054 to discuss this issue directly.

If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/mt

Attachment: violation list

cc: Richard Jackson, Smithville Western, Ltd.
Janet Rittenhouse, Wayne County Health Dept.

File: Semipublic/Wayne County/Wayne Township/Spruce Tree Village MHP

Limit Violation

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2006	001	00530	Total Suspended Solids	30DConc	12	36.	1/1/2006
January 2006	001	00530	Total Suspended Solids	30D Qty	0.9	2.7252	1/1/2006
January 2006	001	80082	CBOD 5 day	30DConc	10	29.	1/1/2006
January 2006	001	80082	CBOD 5 day	30D Qty	0.75	2.1953	1/1/2006
January 2006	001	00530	Total Suspended Solids	7D Conc	18	36.	1/22/2006
January 2006	001	00530	Total Suspended Solids	7D Qty	1.35	2.7252	1/22/2006
January 2006	001	80082	CBOD 5 day	7D Conc	15	29.	1/22/2006
January 2006	001	80082	CBOD 5 day	7D Qty	1.125	2.1953	1/22/2006
February 2006	001	00610	Nitrogen, Ammonia (NH3)	30DConc	3.0	5.7	2/1/2006
February 2006	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.225	.43149	2/1/2006
February 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.7	2/22/2006
February 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.337	.43149	2/22/2006
November 2006	001	00610	Nitrogen, Ammonia (NH3)	30DConc	3.0	3.2	11/1/2006
December 2006	001	00530	Total Suspended Solids	30DConc	12	15.	12/1/2006
December 2006	001	00530	Total Suspended Solids	7D Conc	18	21.	12/1/2006
December 2006	001	80082	CBOD 5 day	30DConc	10	12.	12/1/2006
March 2007	001	00610	Nitrogen, Ammonia (NH3)	30DConc	3.0	3.5	3/1/2007
May 2007	001	31616	Fecal Coliform	7D Conc	2000	4200.	5/8/2007
January 2008	001	00530	Total Suspended Solids	30DConc	12	21.	1/1/2008
January 2008	001	00530	Total Suspended Solids	30D Qty	0.9	1.00151	1/1/2008
January 2008	001	00530	Total Suspended Solids	7D Conc	18	21.	1/8/2008

Frequency Violation

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
May 2007	001	00010	Water Temperature	1/Week	1	0	05/22/2007
June 2007	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	06/15/2007
April 2008	001	01330	Odor, Severity	1/Day	1	0	04/23/2008