



State of Ohio Environmental Protection Agency

Northwest District Office

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

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www.epa.state.oh.us

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

Re: Huron County
Meadowbrook Estates MHP
NPDES Permit No. 2PY00054

July 13, 2009

Tom and Judith Reese, Owners
Meadowbrook Estates MHP
863 Peru-Olena Road
Norwalk, Ohio 44875

Dear Mr. and Mrs. Reese:

On June 9, 2009, I conducted an inspection of the wastewater treatment plant serving the Meadowbrook Estates Mobile Home Park (MHP). You both were present and provided information on the operation and maintenance of the plant. Meadowbrook Estates MHP is currently operating under National Pollutant Discharge Elimination System Permit (NPDES) No. 2PY00054*BD. The plant upgrades were completed last year and were online. At the time of inspection a mostly clear final effluent was being discharged from the plant. Our comments are as follows:

1. The flow equalization tank was online and being aerated. The wastewater is pumped to the aeration tanks using geyser pumps.
2. At the time of the inspection the contents of the aeration tank were a chocolate brown and had no noticeable odor. The rate of aeration appeared adequate. Currently, a timer is used to operate the blower, which is on 13 hours per day and off for 11 hours. You indicated that the blower is on during hours of peak water usage.
3. The effluent from the final settling tank and the upflow fixed media clarifier appeared mostly clear. The sludge return was operating and light brown water was being returned to the aeration tank.
4. The east surface sand filter was online and the west filter was off line. It was indicated that the flow had recently been diverted to the east filter so that the solids on the west filter could dry out and be removed.
5. The Ultraviolet (UV) disinfection system was in place and appeared to be operating properly. The final effluent is aerated prior to being discharged.
6. It was indicated that sludge is wasted to the aerated sludge holding tank every other day and that you thicken the sludge by decanting the clear water off the top.
7. You are reminded of the record keeping requirements Ohio Administrative Code (OAC) Chapter 3745-7-09. A copy of OAC 3745-7-09 is enclosed for your review so that you can make sure that the necessary records are being kept.

Tom and Judith Reese
July 13, 2009
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8. Discharge monitoring reports have been submitted as required by your NPDES permit. A review of these reports shows periodic violations of the Nitrogen Ammonia (NH₃), Total Suspended Solids and CBOD limits of your permit since the permit went effective in March, 2008. However, compliance with final effluent limits has greatly improved since the completion of the plant upgrades, with only occasional violations of the NH₃ limit.

Overall, we are pleased that the plant improvements have been completed and appreciate your efforts to operate and maintain the plant at a high level. Copies of our inspection report and permit violations have been included for your review. Please take the time to look these over and contact me at (419) 373-3003 or via email at andrew.gall@epa.state.oh.us with any questions or comments.

Sincerely,



Andrew Y. Gall
Environmental Specialist II
Division of Surface Water

/lb

Enclosures

pc: Mr. Lonnie McGhee, w/enclosures
Huron County Health Department
~~NWDO-DSW, w/enclosures~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PY00054*BD

Facility Name Meadowbrook MHP Expiration Date _____

Facility Address 863 Peru-Olena Rd. Date 6/9/2009 Time 11:15 am

City Norwalk County Huron Township Bronson

Name and Address of Owner Tom and Judy Reese

Person Contacted SAME Owner Phone 419-668-9471

Flow: Design 7500 GPD Present Water Use GPD (metered - estimated)

Trib. Pop. 40 Lots (actual - estimated) Weather at time of inspection: Temp 75° Partly/Sunny

OEPA Personnel Andrew Gall 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: _____

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

3. a. Plant has _____ excellent X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent X 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 <u>N/A</u>
_____	_____ Dechlorination Tablets <u>N/A</u>
<u>X</u>	_____ U.V.

4. X Yes _____ No Compliance with NPDES Permit

Periodic Violations X N Parameters: CBOD, NH3
 Chronic Violations _____ X

5. X Adequate plant safety Locked Gated Area

6. X Operation and Maintenance Service Name McGhee's Technical

Frequency of Visits 1/ month additional visits as need

Get New Data

Permit No	Reporting Period	Station	Reporting		Parameter	Limit Type	Limit	Reported	Violation
			Code					Value	Date
2PY00054*BD	March 2008	001	80082		CBOD 5 day	30D Conc	10	11.9	3/1/2008
2PY00054*BD	May 2008	001	80082		CBOD 5 day	30D Conc	10	19.6	5/1/2008
2PY00054*BD	May 2008	001	80082		CBOD 5 day	1D Conc	15	19.6	5/20/2008
2PY00054*BD	July 2008	001	80082		CBOD 5 day	30D Conc	10	17.7	7/1/2008
2PY00054*BD	July 2008	001	80082		CBOD 5 day	1D Conc	15	17.7	7/22/2008
2PY00054*BD	August 2008	001	00610		Nitrogen, Ammonia (NH3	30D Conc	1.0	4.56	8/1/2008
2PY00054*BD	August 2008	001	00610		Nitrogen, Ammonia (NH3	30D Qty	0.03	.05765	8/1/2008
2PY00054*BD	August 2008	001	80082		CBOD 5 day	30D Conc	10	16.2	8/1/2008
2PY00054*BD	August 2008	001	00610		Nitrogen, Ammonia (NH3	1D Conc	1.5	4.56	8/27/2008
2PY00054*BD	August 2008	001	00610		Nitrogen, Ammonia (NH3	1D Qty	0.04	.05765	8/27/2008
2PY00054*BD	August 2008	001	80082		CBOD 5 day	1D Conc	15	16.2	8/27/2008
2PY00054*BD	September 2008	001	00610		Nitrogen, Ammonia (NH3	30D Conc	1.0	5.	9/1/2008
2PY00054*BD	September 2008	001	00610		Nitrogen, Ammonia (NH3	30D Qty	0.03	.06453	9/1/2008
2PY00054*BD	September 2008	001	80082		CBOD 5 day	30D Conc	10	22.	9/1/2008
2PY00054*BD	September 2008	001	80082		CBOD 5 day	30D Qty	0.28	.28395	9/1/2008
2PY00054*BD	September 2008	001	00610		Nitrogen, Ammonia (NH3	1D Conc	1.5	5.	9/26/2008
2PY00054*BD	September 2008	001	00610		Nitrogen, Ammonia (NH3	1D Qty	0.04	.06453	9/26/2008
2PY00054*BD	September 2008	001	80082		CBOD 5 day	1D Conc	15	22.	9/26/2008
2PY00054*BD	October 2008	001	00530		Total Suspended Solids	30D Conc	12	23.3	10/1/2008
2PY00054*BD	October 2008	001	00530		Total Suspended Solids	1D Conc	18	23.3	10/24/2008
2PY00054*BD	November 2008	001	00530		Total Suspended Solids	30D Conc	12	46.	11/1/2008
2PY00054*BD	November 2008	001	00530		Total Suspended Solids	30D Qty	0.34	.53974	11/1/2008
2PY00054*BD	November 2008	001	00530		Total Suspended Solids	1D Conc	18	46.	11/25/2008
2PY00054*BD	November 2008	001	00530		Total Suspended Solids	1D Qty	0.51	.53974	11/25/2008
2PY00054*BD	December 2008	001	00610		Nitrogen, Ammonia (NH3	30D Conc	3.0	3.13	12/1/2008
2PY00054*BD	February 2009	001	00610		Nitrogen, Ammonia (NH3	30D Conc	3.0	3.3	2/1/2009
2PY00054*BD	March 2009	001	00610		Nitrogen, Ammonia (NH3	30D Conc	3.0	8.5	3/1/2009
2PY00054*BD	March 2009	001	00610		Nitrogen, Ammonia (NH3	30D Qty	0.08	.10617	3/1/2009
2PY00054*BD	March 2009	001	00610		Nitrogen, Ammonia (NH3	1D Conc	4.5	8.5	3/25/2009
2PY00054*BD	May 2009	001	00610		Nitrogen, Ammonia (NH3	30D Conc	1.0	1.1	5/1/2009