OhioEPA

State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

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

Re: Marion County
Wood Valley MHP
NPDES Permit

March 21, 2008

Mr. Jeff Yorick
United Mobile Homes, Inc
3499 Route 9 North, Suite 3C
Freehold, NJ 07728

Dear Mr. Yorick:

On February 29, 2008 an operation and maintenance inspection was made of the wastewater treatment plant (WWTP) serving Wood Valley MHP. The facility is located at 1493 N. Whestone River Road, Claridon Township, Marion County.

Due to heavy rain and poor stream drainage, the WWTP was completely flooded on February 6 and February 7, 2008. At the time of the inspection, this treatment facility was just recovering from the flood and all major treatment components were in operation except for the sand filters. The contents in the aeration tank were light brown with good roll. The final discharge appeared visually clear with some pin floc. Mr. TJ Howard was present and provided information regarding the operation of the plant. Based on our review of your facility, we would like to inform you of the following:

1) All six sand filters were plugged and not operational. The filters have been bypassed since February 4, 2008.

2) The inflow and infiltration (I/I) problem, a major on-going issue, resulted in the installation of the sand filter bypass line in 2002. The sand filters are periodically bypassed during wet weather events. Please refer to the inspection report for these bypasses since June 2006.

3) The mixed liquor in the aeration tank (just recovered from the flood earlier in the month) appeared light brown. A dark, more chocolate brown color is desired as it is an indicator of a healthy microbial population. We recommend aerating heavily until the darker chocolate brown color appears and then aerating enough to maintain that color.

4) Our review of your Discharge Monitoring Reports (5/1/2007 to 1/31/2008) for this WWTP indicates numerous effluent and frequency violations. Please refer to the enclosed violation table.

A copy of our completed inspection report is also included for your records. Should you have any questions, please contact me at 419-373-3021.

Yours truly,

Jason Ko
Division of Surface Water

/csl

Enclosures

pc: Marion County Health Department
Andrew Conway, DSW-CO
Pete Simcic, Legal-CO
DSW, NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PY00015

Facility Name: Wood Valley MHP Expiration Date: 10/31/2006

Facility Address: 1493 N. Whestone River Road Date: February 29, 2008 Time: 10:30 am

City: Caledonia County: Marion Township: Claridon

Name and Address of Owner: United Mobile Homes INC, 3499 Route 9 North, Suite 3C, Freehold, NJ 07728

Person Contacted: Jeff Yorick Owner Phone : (304) 291 – 3380

Flow Design: 30,000 GPD Present _____ GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 30°F - Snowy

OEPA Personnel: Jason Ko District: NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear	X	None		Colorless
1	Mild	X				X	
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Unnamed Tributary (Snow covered – 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 X poor maintenance

d. Not operating at expected efficiency due to:

(1) X hydraulic overload
(2) _____ *organic/ solids underload*
(3) _____ personnel inefficiency
(4) X equipment failure (plugged filters)
(5) _____ wastes
(6) X Collection System w/ major I/I

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
	X	*Chlorination Tablets*
	X	Dechlorination Tablets
		U.V

	Yes	No			Yes	No	Parameters:
4.		X	Compliance with NPDES Permit	Periodic Violations	X		Numerous
5.			Adequate Plant Safety	Chronic Violation	X		Bypass@ filters
6.		X	Operation and Maintenance Service	Name: Central Ohio Waste water Services			

Frequency of Visits Daily

Facility Name: Wood Valley MHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: Once in 2 weeks
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer _X_ Y ___ N Motor/ Blower Unit	Cycle Time: 30 min ON & 15 min OFF (Normal); aerated continuously due to recent plant flooding
Secondary Treatment	1	Aeration Tank	Color : Brown Adequate Aeration: Y _X_ N ___
Final Settling	1	Clarifier	
	2	Sludge Return	In _X_ Out ___
	1	Surface Skimmer	In _X_ Out ___
		Fixed Media Clarifier	
Tertiary Treatment	6	Surface Sand Filter	All plugged and not operational
		Polishing Pond	
		Other	
Disinfection	OUT	Chlorine Tube Feeder	
	OUT	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	IN	Recorder (continuous total)	Ultrasonic/Parshall flume at effluent
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	As needed
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	At contact tank & continuous
		Spray Irrigation	
		Other	

Wood Valley MHP - Bypass Events

	Dates on Bypass	Dates off Bypass	Days
Jun-06	6/2/2006	6/5/2006	3
	6/8/2006	6/12/2006	4
	6/26/2006	6/29/2006	3
Jul-06	7/17/2006	7/19/2006	2
	7/22/2006	7/24/2006	2
Aug-06	N/A		
Sep-06	N/A		
Oct-06	10/30/2006	11/1/2006	2
Nov-06	11/15/2006	11/20/2006	5
	11/27/2006	12/18/2006	21
Dec-06	12/20/2006	12/24/2006	4
	12/26/2006	12/27/2006	1
	12/30/2006	1/3/2007	4
Jan-07	1/4/2007	1/8/2007	4
	1/12/2007	1/17/2007	5
Feb-07	2/12/2007	2/26/2007	14
Mar-07	3/1/2007	3/9/2007	8
	3/15/2007	3/16/2007	1
	3/23/2007	3/26/2007	3
Apr-07	4/12/2007	4/23/2007	11
	4/27/2007	5/1/2007	4
May-07	N/A		
Jun-07	N/A		
Jul-07	N/A		
Aug-07	N/A		
Sep-07	N/A		
Oct-07	N/A		
Nov-07	N/A		
Dec-07	12/16/2007	12/26/2007	10
Jan-08	1/9/2008	1/11/2008	2
Jan-08	1/25/2008	1/30/2008	5
Feb-08	2/4/2009		

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PY00015*BD	May 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.7	3.655	5/1/2007
2PY00015*BD	May 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.6	4.81	5/1/2007
2PY00015*BD	May 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.3	.32771	5/1/2007
2PY00015*BD	June 2007	001	00530	Total Suspended Solids	7D Conc	18	24.	6/22/2007
2PY00015*BD	July 2007	001	00530	Total Suspended Solids	30D Conc	12	35.5	7/1/2007
2PY00015*BD	July 2007	001	00530	Total Suspended Solids	7D Conc	18	31.	7/1/2007
2PY00015*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.7	4.8155	7/1/2007
2PY00015*BD	July 2007	001	80082	CBOD 5 day	30D Conc	10	19.075	7/1/2007
2PY00015*BD	July 2007	001	00530	Total Suspended Solids	7D Conc	18	39.	7/15/2007
2PY00015*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.6	9.6	7/15/2007
2PY00015*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.3	.36336	7/15/2007
2PY00015*BD	July 2007	001	80082	CBOD 5 day	7D Conc	15	38.	7/15/2007
2PY00015*BD	July 2007	001	00530	Total Suspended Solids	7D Conc	18	54.	7/22/2007
2PY00015*BD	July 2007	001	80082	CBOD 5 day	7D Conc	15	31.6	7/22/2007
2PY00015*BD	August 2007	001	00530	Total Suspended Solids	30D Conc	12	20.75	8/1/2007
2PY00015*BD	August 2007	001	00530	Total Suspended Solids	7D Conc	18	28.	8/1/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.7	31.4	8/1/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.6	44.3	8/1/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.2	.73429	8/1/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.3	.83838	8/1/2007
2PY00015*BD	August 2007	001	31616	Fecal Coliform	30D Conc	1000	2534.	8/1/2007
2PY00015*BD	August 2007	001	80082	CBOD 5 day	30D Conc	10	19.575	8/1/2007
2PY00015*BD	August 2007	001	80082	CBOD 5 day	7D Conc	15	34.9	8/1/2007
2PY00015*BD	August 2007	001	00530	Total Suspended Solids	7D Conc	18	38.	8/8/2007
2PY00015*BD	August 2007	001	80082	CBOD 5 day	7D Conc	15	38.8	8/8/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.6	18.5	8/15/2007
2PY00015*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.3	.6302	8/15/2007
2PY00015*BD	August 2007	001	31616	Fecal Coliform	7D Conc	2000	2534.	8/15/2007
2PY00015*BD	September 2007	001	00400	pH	1D Conc	6.5	6.3	9/27/2007
2PY00015*BD	October 2007	001	31616	Fecal Coliform	30D Conc	1000	7000.	10/1/2007
2PY00015*BD	October 2007	001	31616	Fecal Coliform	7D Conc	2000	7000.	10/8/2007
2PY00015*BD	January 2008	001	00530	Total Suspended Solids	7D Conc	18	30.	1/8/2008
2PY00015*BD	January 2008	001	00530	Total Suspended Solids	7D Qty	2.0	2.48675	1/8/2008

2PY00015*BD	January 2008	001	80082	CBOD 5 day	7D Conc	15	17.8	1/8/2008

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
2PY00015*BD	September 2007	001	50060	Chlorine, Total Residu	1/Week	1	0	09/22/2007
2PY00015*BD	November 2007	001	00400	pH	1/Week	1	0	11/22/2007
2PY00015*BD	November 2007	001	00300	Dissolved Oxygen	1/Week	1	0	11/22/2007