



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Richland County
Crystal Care Center
NPDES Permit

February 20, 2008

Mr. Jerry Smith, President
Maria Manor
5375 Teeter Road
Butler, Ohio 44822

Dear Mr. Smith:

On January 31, 2008, an inspection was made of the wastewater treatment facilities serving the Maria Manor formerly known as the Crystal Care Center located at 458 Vanderbilt Road, Mansfield, Richland County. At the time of the inspection the treatment plant was not running.

The timer on the blower was observed and indicated that the unit was only set to run for what appeared to be 15 minutes, once every six hours. This is not a sufficient amount of time for proper treatment of the wastewater. The aeration tanks and clarifier had a septic odor. The water in both tanks was gray in color, which indicates septic conditions.

The timer on the blower should be adjusted so that the unit runs for at least four consecutive hours before being shut off. The blower should not remain off for more than four consecutive hours before being started again. The operation needs to be changed immediately. It was observed that new grating had been placed over the chlorine contact tank as requested during our previous inspection.

A review of your monthly operating reports for the months of August 2007, through January 2008, revealed numerous violations of the conditions of your NPDES discharge permit. The plant needs to be maintained and operated until the installation of the recently approved onsite sewage disposal system is installed.

If you have any questions please call me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: DSW-NWDO File
Gerald Griffeth
McGhee's Technical Water Services Inc., w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00118

Facility Name Marica Manor Expiration Date 5/31/2009
 Facility Address 458 Vanderbilt Rd Date 1/31/08 Time 4:45 am
 City Mansfield County Richland Township _____
 Name and Address of Owner Gerald Griffith
 Person Contacted _____ Owner Phone _____
 Flow: Design 6,000 GPD Present ~100 GPD (metered - estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 32° cloudy
 OEPA Personnel Walter Arias District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious					<input checked="" type="checkbox"/>	
4	Extreme		Heavy Solids	<input checked="" type="checkbox"/>	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 _____ fair poor operation
 b. Plant has _____ excellent good _____ 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
_____	<input checked="" type="checkbox"/>
_____	<input checked="" type="checkbox"/>
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	U.V.

Yes No

4. Compliance with NPDES Permit

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

5. Adequate plant safety

6. Operation and Maintenance Service Name Na Ghee's TWSI

Frequency of Visits ?

Facility Name: Marie Plant

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer <input checked="" type="checkbox"/> Y ___ N Motor/ Blower Unit <i>not running</i>	Cycle Time: <i>cycle time is not sufficient. only on for 15 min every 5.5 hours</i>
Secondary Treatment	2	Aeration Tank	Color: <i>grey / septic odor</i> Adequate Aeration: Y ___ N ___ <i>- blower not on</i>
Final Settling	2	Clarifier	<i>grey, septic odor</i>
	2	Sludge Return	In ___ Out <u>2</u>
	2	Surface Skimmer	In ___ Out <u>2</u>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>Filters dirty, some metals / septic odor</i>
		Polishing Pond	
		Other	
Disinfection	2	Chlorine Tube Feeder	<i>out</i>
	2	Dechlorination Tube Feeder	<i>out / chlorine tank dirty septic</i>
		Ultraviolet (UV)	
Flow Metering?		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	<i>siphon pumps</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	