



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

August 24, 2007

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

Dear Mr. Smith,

On August 16, 2007, 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 running with all major treatment units appearing to be operating normally. A few concerns were noted as follows.

The surface sand filters were overgrown with weeds. The maintenance of the filters continues to be a problem at the plant. Our office has documented several occasions where these filters have become ponded due to incorrect operation and lack of cleaning. These filters need to be kept free of weeds at all times. The filters shall be weeded immediately. The grating over the chlorine contact tank should be replaced. The grates have rusted and no longer provide the needed security. It was also observed that approximately 1.5 feet of mud was present in the bottom of the chlorine contact tank. The mud should be cleaned out and the area around the tank stabilized to prevent dirt from washing into the tank.

A review of your monthly operating reports for the months of March through July 2007 revealed numerous violations of the conditions of your NPDES discharge permit. The majority of these violations were exceedences of the residual chlorine limit contained in your NPDES permit. Attention to the tablets in the dechlorination unit should prevent violations of this type from occurring.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

Enclosure

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2P200118

Facility Name Marion Manor / Crystal Care Center Expiration Date 5/31/09

Facility Address 458 Vandercilt Rd Date 8/16/07 Time 2:00 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 82 cloudy

OEPA Personnel Walter Ari's District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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: 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"/>	_____ Chlorination Tablets
<input checked="" type="checkbox"/>	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: Cl₂, NH₃, BOD

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name MTWSE

Frequency of Visits ?

Facility Name: Macia Manor

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	✓	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	✓	Plant Timer <u>Y</u> <u>N</u> Motor/ Blower Unit <u>running</u>	Cycle Time: <u>okay</u>
Secondary Treatment	✓	Aeration Tank	Color: <u>slightly weak</u> Adequate Aeration: <u>Y</u> <u>N</u>
Final Settling	✓	Clarifier	<u>looks great</u>
	✓	Sludge Return	In <u>✓</u> Out <u> </u>
	✓	Surface Skimmer	In <u> </u> Out <u>✓</u>
		Fixed Media Clarifier	
Tertiary Treatment	✓	Surface Sand Filter	<u>both filters have heavy weeds no ponding yet</u>
		Polishing Pond	
		Other	
Disinfection	✓	Chlorine Tube Feeder	<u>ok</u>
	✓	Dechlorination Tube Feeder	<u>ok - mud in contact tank needs removed</u>
		Ultraviolet (UV)	
Flow Metering?		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	✓	Sand Filter Effluent Dosing	<u>Syphon pumps okay</u>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	