



State of Ohio Environmental Protection Agency

Northwest District Office

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

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

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

Re: Ashland County
Mapleton Local Schools
NPDES Permit

April 8, 2010

John Marks, Superintendent
Mapleton School District
635 County Road 801, Route 3
Ashland, Ohio 44805

Dear Mr. Marks,

On March 31, 2010, an inspection was conducted of the wastewater treatment facilities serving the Mapleton Schools located at 635 C.R. 801, Orange Township, Ashland County. At the time of the inspection the facility was operating in satisfactory condition. Mr. Dan Dennison of your staff and Mr. Tony Wierich of McGhee's TWSI were present to grant access to the plant as well as answer questions.

All major treatment units were in operation and appeared to be functioning correctly. A clear discharge was observed at the creek. The grating over the equalization tank has become rusty and is starting to flex under weight. These grates will soon have to be replaced.

A review of the discharge monitoring reports submitted to our office for the months of August 2009 through February 2010 revealed several violations of the limits contained in your NPDES permit. A printout of these violations has been enclosed for your review.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosure

pc: ~~NWDO-DSW-file~~ w/enclosures
McGhee's Technical Water Services w/enclosures

Get New Data

Mapleton Schools NPDES permit limit violations August 2009 through February 2010

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00040*CD	August 2009	001	00530	Total Suspended Solids	30D Conc	12	19.6	8/1/2009
2PT00040*CD	August 2009	001	00530	Total Suspended Solids	7D Conc	18	19.6	8/1/2009
2PT00040*CD	October 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.64	10/1/2009
2PT00040*CD	October 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	6.64	10/1/2009
2PT00040*CD	October 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.08	.10053	10/1/2009
2PT00040*CD	November 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	11.3	11/1/2009
2PT00040*CD	November 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	11.3	11/1/2009
2PT00040*CD	December 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	5.36	12/1/2009
2PT00040*CD	December 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	5.36	12/1/2009
2PT00040*CD	January 2010	001	00530	Total Suspended Solids	30D Conc	12	13.5	1/1/2010
2PT00040*CD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	11.9	1/1/2010
2PT00040*CD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	11.9	1/1/2010
2PT00040*CD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	28.6	2/1/2010
2PT00040*CD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	28.6	2/1/2010
2PT00040*CD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.25	.433	2/1/2010
2PT00040*CD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.38	.433	2/1/2010
2PT00040*CD	February 2010	001	80082	CBOD 5 day	30D Conc	10	25.2	2/1/2010
2PT00040*CD	February 2010	001	80082	CBOD 5 day	7D Conc	15	25.2	2/1/2010

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PT00040

Facility Name Madeton Local Schools Expiration Date 11/31/2013

Facility Address 635 CR 801 Date 3/31/10 Time 11:30 am

City Ashland County Ashland Township _____

Name and Address of Owner _____

Person Contacted Mr. Dennis - Tony Weirich Owner Phone _____

Flow: Design 22,100 GPD Present 1,000 - 4,000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 57° sunny

OEPA Personnel Walter Ariss 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: unmarked trib Jerome Park

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

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 <input checked="" type="checkbox"/>	OUT <input checked="" type="checkbox"/>	Chlorination Tablets
_____	_____	Dechlorination Tablets
_____	_____	U.V.

Yes No

4. _____ Compliance with NPDES Permit

Periodic Violations Y X _____ N _____ Parameters: annually TSS
 Chronic Violations _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service Name McGhee's TWSI

Frequency of Visits 1/week

Facility Name: Mapleton Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	<input checked="" type="checkbox"/>	Flow Equalization	okay / gates need replaced soon
Aeration Equipment		Plant Timer <u>Y</u> <input checked="" type="checkbox"/> N	Cycle Time:
	<input checked="" type="checkbox"/>	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>good clar. try, just recently scraped sides</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>Filters very clean</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<i>on influent station</i>
		Recorder (continuous total)	
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (type) <i>Submersible</i>	<i>okay</i>
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	<i>okay</i>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	