



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Ashland County
Mapleton Local Schools
NPDES Permit

October 12, 2012

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

Dear Mr. Marks:

On September 13, 2012, an inspection was conducted of the wastewater treatment facilities serving the Mapleton Schools located at 635 County Road 801, Orange Township, Ashland County. Mr. Scott Loescher of your staff and Mr. Lonnie McGhee of McGhee's Technical Water Service 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. New grates over the flow EQ tank have been installed. The operator's log was reviewed and found to be acceptable. Our completed inspection report is enclosed for your reference.

On August 13, 2012, our office received a Notice of Intent (NOI) for coverage under the small sanitary discharger general National Pollutant Discharge Elimination System (NPDES) permit for the discharge from the treatment plant. Unfortunately, our office is unable to grant coverage under the general permit due to the fact that your facility is currently in significant non-compliance (SNC) with the limits contained in your individual permit. You are required to submit a complete NPDES individual permit renewal application to this office within 30 days of receipt of this letter. We will be able to apply the \$200 application fee submitted with your NOI to the individual application.

A review of the discharge monitoring reports submitted to our office for the months of April through August 2012 revealed numerous **violations** of the limits in your NPDES permit. A printout of the **violations** is included for your reference. Your facility is currently in SNC with the limits contained in your NPDES permit.

A facility becomes in SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months during two consecutive quarters. Achieving compliance with Ohio's environmental laws is a primary focus of Ohio EPA in order to reduce risks to public health and welfare.

Mr. John Marks
October 12, 2012
Page Two

Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility back into compliance. **Within 21 days of the date of this letter**, please submit, in writing, the actions that you propose to undertake in order to return your facility into compliance with your NPDES permit. You will also need to give us a timetable for these actions that does not extend past December 31, 2013. These actions and timetable may also be submitted by email to me at walter.ariss@epa.state.oh.us. It would be best to consult with your operator while preparing your response to our office.

If you wish to meet with us to discuss this matter, please contact me within 10 days of receiving this letter in order to set up a meeting.

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

Sincerely,



Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

pc: McGhee's Technical Water Services

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PT00040

Facility Name Mapleton Local Schools Expiration Date 11/31/13

Facility Address 2 Mountie Dr Date 9/13/12 Time 11:30 am pm

City Ashland County Ashland Township _____

Name and Address of Owner Mapleton Local Schools

Person Contacted Scott Loeschner / Ronnie McGhee Owner Phone _____

Flow: Design 22,000 GPD Present _____ GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 75° sun

OEPA Personnel Walter Aris 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: unnamed trib Jerome Park Mahican

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 _____ good X 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	
<u>X</u>	_____	Chlorination Tablets
<u>X</u>	_____	Dechlorination Tablets
_____	_____	U.V.

Yes No

4. X Compliance with NPDES Permit _____ Parameters: _____

Periodic Violations Y N
 Chronic Violations X TSS, ammonia

5. X Adequate plant safety

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

Frequency of Visits 1/week

Facility Name: Mapleton Local Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: Only pumped once / trash carries over to EQ
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	Okay
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time: 1 EQ Blower
	X	Motor/ Blower Unit running	2 Aeration blowers - one on
Secondary Treatment	X	Aeration Tank	Color: Okay Adequate Aeration: Y <u>X</u> N <u> </u>
Final Settling	X	Clarifier	Slightly turbid
	X	Sludge Return	In <u>X</u> Out <u> </u>
	X	Surface Skimmer	In <u> </u> Out <u>X</u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	using west bed / east bed clean
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	tablets okay
	X	Dechlorination Tube Feeder	tablets okay
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	on filter dosing station
		Recorder (continuous total)	
Pumps	X	Raw Wastewater (type) <i>submersible</i>	okay
	X	Sand Filter Effluent Dosing	okay
Sludge Handling	X	Aerated Storage Tank	1/2 full - air on
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	on
		Spray Irrigation	
		Other	

Get New Data		Mapleton Local Schools NPDES permit limit violations April through August 2012						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00040*CD	April 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.2	4/1/2012
2PT00040*CD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.64	5/1/2012
2PT00040*CD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.64	5/8/2012
2PT00040*CD	June 2012	001	00530	Total Suspended Solids	30D Conc	12	42.	6/1/2012
2PT00040*CD	June 2012	001	31616	Fecal Coliform	30D Conc	1000	20000.	6/1/2012
2PT00040*CD	June 2012	001	00530	Total Suspended Solids	7D Conc	18	42.	6/8/2012
2PT00040*CD	June 2012	001	31616	Fecal Coliform	7D Conc	2000	20000.	6/8/2012
2PT00040*CD	July 2012	001	00530	Total Suspended Solids	30D Conc	12	19.	7/1/2012
2PT00040*CD	July 2012	001	31616	Fecal Coliform	30D Conc	1000	1100.	7/1/2012
2PT00040*CD	July 2012	001	00530	Total Suspended Solids	7D Conc	18	19.	7/15/2012