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

Re: Ashland County
Mapleton Local Schools
NPDES Permit

May 8, 2012

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

Dear Mr. Marks:

On April 24, 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. Dan Dennison of your staff was 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.

A review of the discharge monitoring reports submitted to our office for the months of February 2011 through March 2012 revealed several ***violations*** of the limits contained in your National Pollutant Discharge Elimination System (NPDES) permit. A printout of these violations has been enclosed for your review. Please be aware that your facility is in significant non-compliance of the effluent limits contained in your NPDES permit for the parameters TSS and ammonia. Our office has received recent correspondence from your certified operator in regards to the cause of these violations. No further documentation is required from you at this time. Enforcement action remains an option to achieve compliance should continued violations occur.

Your current NPDES permit expires January 31, 2013. A renewal application with appropriate fees shall be submitted to our office no later than July 31, 2012.

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: Inspection Tracking

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402-9398

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OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PT00040

Facility Name Appleton Local Schools Expiration Date 1/31/13

Facility Address 2 Mantle Dr Date 4/24/12 Time 11:30 am/pm

City Ashland County Ashland Township

Name and Address of Owner

Person Contacted Dan Dennison Owner Phone

Flow: Design 22,000 GPD Present 1000-6000 GPD (metered - estimated)

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp 55° Sunny

OEPA Personnel Walter Ariss 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 Fork Mohican

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 X good _____ 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	
	X	Chlorination Tablets
	X	Dechlorination Tablets
		U.V.

	Yes	No	
4.		X	Compliance with NPDES Permit

	Y	N	Parameters:
Periodic Violations			
Chronic Violations	X		NH_3, TSS

5. X Adequate plant safety

6. X Operation and Maintenance Service Name McGhee's

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 ever
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	okay - new grating
Aeration Equipment	X	Plant Timer ___Y X N Motor/ Blower Unit running	Cycle Time: 3 blowers in good shape
Secondary Treatment	X	Aeration Tank	Color: good color Adequate Aeration: Y X N___
Final Settling	X	Clarifier	good clarity
	X	Sludge Return	In X Out___
	X	Surface Skimmer	In ___ Out X
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	on west bed east bed clean + ready
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	out
	X	Dechlorination Tube Feeder	out
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	on filter dosing station
		Recorder (continuous total)	
Pumps	X	Raw Wastewater (type) submersible	okay
	X	Sand Filter Effluent Dosing	okay
Sludge Handling	X	Aerated Storage Tank	okay - only pumped once
		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 WWTP NPDES permit limit violations February 2011 through March 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00040*CD	February 2011	001	00530	Total Suspended Solids	30D Conc	12	20.7	2/1/2011
2PT00040*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	30.4	2/1/2011
2PT00040*CD	February 2011	001	00530	Total Suspended Solids	7D Conc	18	20.7	2/22/2011
2PT00040*CD	February 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	30.4	2/22/2011
2PT00040*CD	March 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	14.7	3/1/2011
2PT00040*CD	March 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	14.7	3/1/2011
2PT00040*CD	April 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	21.2	4/1/2011
2PT00040*CD	April 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	21.2	4/1/2011
2PT00040*CD	May 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	3.97	5/1/2011
2PT00040*CD	May 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	3.97	5/8/2011
2PT00040*CD	July 2011	001	00530	Total Suspended Solids	30D Conc	12	14.	7/1/2011
2PT00040*CD	November 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.36	11/1/2011
2PT00040*CD	November 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	5.36	11/1/2011
2PT00040*CD	December 2011	001	00530	Total Suspended Solids	30D Conc	12	42.	12/1/2011
2PT00040*CD	December 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	21.2	12/1/2011
2PT00040*CD	December 2011	001	00530	Total Suspended Solids	7D Conc	18	42.	12/8/2011
2PT00040*CD	December 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	21.2	12/8/2011
2PT00040*CD	January 2012	001	00530	Total Suspended Solids	30D Conc	12	20.	1/1/2012
2PT00040*CD	January 2012	001	00530	Total Suspended Solids	7D Conc	18	20.	1/1/2012
2PT00040*CD	February 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	9.6	2/1/2012
2PT00040*CD	February 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	9.6	2/1/2012
2PT00040*CD	March 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.8	3/1/2012