



**Environmental
Protection Agency**

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

Re: Wyandot County
Mohawk Local schools
NPDES Permit

December 21, 2011

Board of Education
Mohawk Local Schools
605 State Route 231
Sycamore, Ohio 44882

Dear Board of Education:

On December 7, 2011, an operation and maintenance inspection was made of the wastewater treatment plant serving the Mohawk Local Schools. The treatment plant is located at 295 State Route 231, Sycamore Township, Wyandot County. This inspection was conducted to evaluate compliance with your facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PT00014*DD.

At the time of the inspection, the treatment facility was in operation. The contents of the aeration tanks were brown with good roll. The final discharge from the plant was visually clear. Listed below are our recommendations to enhance the plant's operation:

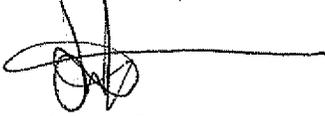
- 1) Continue to maintain a licensed/certified wastewater operator.
- 2) Continue to check the trash trap and pump it out as necessary.
- 3) The mixed liquor in the aeration tank appeared brown and is an indicator of a fairly healthy microbial population. Continue the current rate of aeration to maintain that color.
- 4) The skimmers must be adjusted so that they just break the surface tension of the liquid in the final clarifier.
- 6) The weirs of the final clarifier should be cleaned and leveled so that a moderate amount of liquid passes evenly over their total length.

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- 7) Continue to check that the sludge returns are returning activated sludge to the aeration tanks. If no activated sludge is being returned to the aeration tanks, then gently scrape the sides of the final clarifiers all around the hoppers with slow, easy, downward motions, just enough to help move the sludge toward the bottom of the hopper. This procedure should be done once a week and will increase the solids being returned to the aeration tanks and help turn the color in the aeration tanks to a darker brown.

Our review of your discharge monitoring reports (11/1/2010 to 12/1/2011) for this facility indicated some effluent violations. Please refer to the enclosed violation table. Our completed inspection form is enclosed for your review. Should you have any questions, please contact me at 419-373-3021.

Yours truly,



Jason Ko
Division of Surface Water

/jlm

Enclosures

pc: Wyandot County Health Department
Mikah Ames, WWTP Operator

ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PT00014

Facility Name: Mohawk Local Schools Expiration Date: April 30, 2012
 Facility Address: 605 State Route 231 Date: December 7, 2011 Time: 12:00 pm
 City: Sycamore County: Wyandot Township: Sycamore
 Name and Address of Owner: Mohawk School District Board of Education, 605 State Route 231, Sycamore, Ohio
 Person Contacted: Mikah Ames Owner Phone: (419) 310-8484
 Flow Design: 22,500 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 1500 (estimated) Weather at time of inspection: Temp 35°F - clear
 OEPA Personnel: Jason Ko 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: Olentangy River - 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 X fair _____ poor operation
 b. Plant has _____ excellent _____ good X fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good X fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids underload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)

IN OUT
 _____ _____ Chlorination Tablets
 _____ _____ Dechlorination Tablets
 _____ X U.V

4. Yes _____ No X Compliance with NPDES Permit Periodic Violations X _____ Parameters: see violation table
 5. X _____ Adequate Plant Safety Chronic Violation _____
 6. X _____ Operation and Maintenance Service Name : Mikah Ames/Dave Clark

Frequency of Visits 3/week

Facility Name: Mohawk Local Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 2/year
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	Aerated by one blower
Aeration Equipment	4	Plant Timer ___Y__X__N	Cycle Time: On 24 hours 2 newer units ; 2 older units
		Motor/ Blower Unit	
Secondary Treatment	4	Aeration Tank	Color : Brown; 2 newer operating; Old tanks out Adequate Aeration: Y__X__N__
Final Settling	2	Clarifier	1 newer unit in use; old tank out
	3	Sludge Return	In <input checked="" type="checkbox"/> Out _____
	3	Surface Skimmer	In <input checked="" type="checkbox"/> Out _____
		Fixed Media Clarifier	
Tertiary Treatment	4	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	OUT	Ultraviolet (UV)	
Flow Metering	IN	Elapsed Pump Time	Hour meter at the dosing pumps
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	OUT	Aerated Storage Tank	1 unit
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	Haul to City of Fostoria
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	At contact tank
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00014*DD	December 2010	001	00530	Total Suspended Solids	30D Conc	12	16.	12/1/2010
2PT00014*DD	December 2010	001	00530	Total Suspended Solids	7D Conc	18	19.	12/15/2010
2PT00014*DD	January 2011	001	00530	Total Suspended Solids	30D Conc	12	12.5	1/1/2011
2PT00014*DD	January 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.935	1/1/2011
2PT00014*DD	January 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	12.	1/1/2011
2PT00014*DD	February 2011	001	00530	Total Suspended Solids	30D Conc	12	37.	2/1/2011
2PT00014*DD	February 2011	001	00530	Total Suspended Solids	7D Conc	18	37.	2/1/2011
2PT00014*DD	February 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	9.86	2/1/2011
2PT00014*DD	February 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.86	2/1/2011