



Re: Richland County
Clear Fork High School
NPDES Permit

October 7, 2013

Dr. Matthew Dill, Superintendent
Clear Fork Valley Local Schools
92 Hines Avenue
Bellville, Ohio 44813

Dear Dr. Dill:

On September 12, 2013, an inspection was made of the wastewater treatment facilities serving the Clear Fork High School located at 987 State Route 97 East, Jefferson Township, Richland County. At the time of the inspection, the treatment plant appeared to be operating normally. A clear effluent was being discharged from the treatment plant. The operator's log was reviewed and found to be adequate. An outfall sign has been placed on the fence facing the creek as requested during our previous inspection.

It was noted that the aeration blower that was not in use was spinning backwards. This is an indication that the check valve on the air supply line has failed. This check valve should be repaired as a complete valve failure will prevent air from being supplied to the aeration tanks. The west surface sand filter bed was ponded with water. The operator's log mentioned recent drainage issues with the sand beds. In a subsequent phone call with the operator, he stated that the sand will be replaced in an effort to improve the drainage. The dechlorination tablets were not in contact with the water in the bottom of the feeder tubes. These tubes should be pulled from the tank during every visit to assure that new tablets are falling all the way down the feeder as the old ones below them dissolve.

A review of the discharge monitoring reports for the period of March through August 2013 revealed two violations of the limits contained in your National Pollutant Discharge Elimination System (NPDES) discharge permit. Both violations were for exceeding the nitrogen ammonia limit in the March 2013 sample.

Our completed inspection report is enclosed for your review. If you have any questions, please call me at 419-373-3070.

Sincerely,

A handwritten signature in black ink, which appears to read "Walter Ariss".

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

/jim
Enclosure
pc: Lonnie McGhee, McGhee's Technical Water Services Inc.
ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 26S00017

Facility Name Clear Fork High School Expiration Date 12/31/14

Facility Location 987 SR 97 East Date 9/12/13 Time am/pm

City Bellville County Richland Township _____

Name of Owner _____ Owner Phone _____

Person Contacted _____ Operator of Record McGee's TWSI

Flow: Design 20,000 GPD WWTP Classification: X A or I

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 66° - light rain

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	<u>X</u> Clear	<u>X</u> None	<u>X</u> 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 Clear Fork

No.	Severity Description	Turbidity	Odor	Color
0	None	<u>X</u> Clear	<u>X</u> None	<u>X</u> Colorless
1	Mild			
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

3. a. Plant has X excellent _____ good _____ fair _____ poor _____ operation
 b. Plant has X excellent _____ good _____ fair _____ poor _____ maintenance
 c. Sand filters have _____ excellent X good _____ fair _____ poor maintenance- N/A
 d. Not operating at expected efficiency due to:

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

Disinfection: (Required May 1 thru Oct. 31)		
IN	OUT	
<u>X</u>	_____	Chlorination Tablets
<u>X</u>	_____	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

Yes No
 4. X _____ Compliance with NPDES Permit

Periodic Violations X Y N Parameters: N/A
 Chronic Violations _____

5. X _____ O & M logbook kept and available on site: Location control panel
 6. X _____ Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)
 (Class I - 3 days per week for minimum 1.5 hours per week)
 7. X _____ Adequate Plant Safety: Deficiencies _____

Facility Name: Clear Fork HS

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency ?
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	okay
Aeration Equipment	X	Plant Timer <u>X</u> <u>Y</u> <u>N</u>	Cycle Time:
	X	Motor / Blower Unit <i>running</i>	<i>appears adequate</i>
Secondary Treatment	X	Aeration Tank <i>one aeration blower turning back wards</i>	Color: <i>good color</i> Adequate Aeration <u>Y</u> <u>X</u> <u>N</u>
Final Settling	X	Clarifier	<i>Good clarity</i>
	X	Sludge Return	In <u>X</u> Out
	X	Surface Skimmer	In Out <u>X</u>
	X	Fixed Media Clarifier	<i>okay</i>
Tertiary Treatment	X	Surface Sand Filter <i>west bed ponded-in use</i>	<i>east bed has layer of sludge</i>
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank <i>very clear</i>	<i>can see entire bottom</i>
	X	Chlorine Tube Feeder	<i>clear</i>
	X	Dechlorination Tube Feeder	<i>tablets not in contact with H₂O</i>
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<i>on filter dosing</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type) <i>Flow EQ</i>	<i>one pump out for repairs</i>
	X	Sand Filter Effluent Dosing	<i>clear</i>
Sludge Handling	X	Aerated Storage Tank	<i>air off for decanting</i>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	