OhioEPA

State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Ashland County
Black River Local Schools WWTP
NPDES Permit

February 10, 2009

Janice Wyckoff, Superintendent
Black River Local Schools
257 County Road 40
Sullivan, Ohio 44880

Dear Superintendent Wyckoff:

On January 27, 2009, an inspection was made of the wastewater treatment facilities serving the Black River Local Schools. Mr. Mike Logsdon, your certified operator from Eastwood Environmental, was present during the inspection. At the time of the inspection no major problems were noted. A clear final effluent was being discharged to the receiving stream.

The media within the sand filter beds has been replaced since our previous inspection. Mr. Logsdon indicated that the filters have been functioning much better since this work was completed. The dosing station prior to the filters is still experiencing some amount of ground water infiltration. This tank should be resealed as soon as possible. Mr. Logsdon stated that the hour run meter on the dosing station is currently not working. This meter should be replaced as soon as possible.

A review of the discharge monitoring reports submitted for the months of November 2007 through December 2008 revealed numerous ***violations*** of the limits contained in your NPDES permit. A printout of these violations has been enclosed for your review.

Our completed inspection report 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
/csl
Enclosure
pc: NWDO-DSW file
Mike Logsdon, Eastwood Environmental Inc. w/enc.

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PT00015

Facility Name Black River Schools Expiration Date 11/30/2011

Facility Address 257 CR 40 Date 1/27/09 Time 2:30 am/pm

City Sullivan County Ashland Township

Name and Address of Owner

Person Contacted Mike Logsdon Owner Phone

Flow: Design 25,000 GPD Present 10,000-15,000 GPD (metered - estimated)

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp 25° cloudy

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 Black River

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.

not required in winter

	Yes	No	
4.	____	X	Compliance with NPDES Permit

	Y	N	Parameters:
Periodic Violations	____	____	
Chronic Violations	X	____	ammonia, TSS

5. X ____ Adequate plant safety

6. X ____ Operation and Maintenance Service Name Earthwood Environmental

Frequency of Visits 1/week

Facility Name: Black River Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	✓	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	✓	Flow Equalization	okay
Aeration Equipment	✓	Plant Timer ___Y ✓ N Motor/ Blower Unit running	Cycle Time:
Secondary Treatment	✓	Aeration Tank	Color: good color Adequate Aeration: Y ✓ N ___
Final Settling	✓	Clarifier	okay / second tank partially frozen
	✓	Sludge Return	In ✓ Out ___
	✓	Surface Skimmer	In ✓ Out ___
	✓	Fixed Media Clarifier	look okay
Tertiary Treatment	✓	Surface Sand Filter	look okay / have had media replaced
		Polishing Pond	
		Other	
Disinfection	✓	Chlorine Tube Feeder	
	✓	Dechlorination Tube Feeder	disinfection not required in winter
		Ultraviolet (UV)	
Flow Metering	✓	Elapsed Pump Time	on dosing station / meter currently out / need to replace
		Recorder (continuous total)	
Pumps	✓	~~Raw Wastewater (type)~~ Flow EQ	okay
	✓	Sand Filter Effluent Dosing	okay
Sludge Handling	✓	Aerated Storage Tank	Inlet hole has been patched
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	Did not haul out last year
		Landfill	
		Land Application	
Advanced Treatment	✓	Post Aeration - not on	line was broken during filter rebuild / still need to repair
		Spray Irrigation	
		Other	

NPDES Permit limit violations
Black River Schools November 2007 through Decmeber 2008

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00015*CD	November 2007	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	8.81	11/6/2007
2PT00015*CD	November 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.275	11/1/2007
2PT00015*CD	November 2007	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.43	.76695	11/6/2007
2PT00015*CD	November 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.28	.54627	11/1/2007
2PT00015*CD	November 2007	001	00400	pH	1D Conc	6.5	6.4	11/6/2007
2PT00015*CD	December 2007	001	00530	Total Suspended Solids	1D Conc	18	21.	12/11/2007
2PT00015*CD	December 2007	001	00530	Total Suspended Solids	30D Conc	12	13.3333	12/1/2007
2PT00015*CD	December 2007	001	00530	Total Suspended Solids	1D Qty	1.70	1.82816	12/11/2007
2PT00015*CD	December 2007	001	00530	Total Suspended Solids	30D Qty	1.14	1.16073	12/1/2007
2PT00015*CD	January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	16.37	1/17/2008
2PT00015*CD	January 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	8.4	1/1/2008
2PT00015*CD	January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.43	1.42509	1/17/2008
2PT00015*CD	January 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.28	.73126	1/1/2008
2PT00015*CD	January 2008	001	80082	CBOD 5 day	1D Conc	15	21.	1/17/2008
2PT00015*CD	January 2008	001	80082	CBOD 5 day	1D Conc	15	16.	1/24/2008
2PT00015*CD	January 2008	001	80082	CBOD 5 day	30D Conc	10	11.5	1/1/2008
2PT00015*CD	January 2008	001	80082	CBOD 5 day	1D Qty	1.42	1.82816	1/17/2008
2PT00015*CD	January 2008	001	80082	CBOD 5 day	30D Qty	0.95	1.00113	1/1/2008
2PT00015*CD	May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	4.8	5/7/2008
2PT00015*CD	May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.635	5/1/2008
2PT00015*CD	May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.14	.41786	5/7/2008
2PT00015*CD	May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.09	.22939	5/1/2008
2PT00015*CD	July 2008	001	00530	Total Suspended Solids	1D Conc	18	40.	7/1/2008
2PT00015*CD	July 2008	001	00530	Total Suspended Solids	30D Conc	12	17.5	7/1/2008
2PT00015*CD	October 2008	001	31616	Fecal Coliform	1D Conc	2000	3600.	10/1/2008
2PT00015*CD	October 2008	001	31616	Fecal Coliform	30D Conc	1000	1749.28	10/1/2008
2PT00015*CD	November 2008	001	00530	Total Suspended Solids	1D Conc	18	26.	11/4/2008
2PT00015*CD	November 2008	001	00530	Total Suspended Solids	1D Conc	18	27.	11/11/2008
2PT00015*CD	November 2008	001	00530	Total Suspended Solids	30D Conc	12	16.5	11/1/2008
2PT00015*CD	November 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	11.4	11/4/2008
2PT00015*CD	November 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.7	11/1/2008
2PT00015*CD	November 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.43	.43149	11/4/2008
2PT00015*CD	December 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	5.81	12/5/2008
2PT00015*CD	December 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	6.55	12/9/2008
2PT00015*CD	December 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	4.30667	12/1/2008