



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 Korfeski, Director

Re: Ashland County
Black River Local Schools WWTP
NPDES Permit

September 15, 2009

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

Dear Superintendent Wyckoff:

On September 3, 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.

During the inspection it was noted that one of the flow Equalization pumps, one of the aeration blower motors, and one of the dosing station pumps had experienced failure. Mr. Logsdon suspected that an electrical surge struck the plant that burned out the motors on the equipment operating at the time. It should be a priority to get these pieces of equipment repaired and placed back into service as soon as possible. It was also noted that the hour run meters on the sand filter dosing pumps have yet to be replaced. This was noted in my last inspection letter. These meters need to be replaced immediately in order to get an accurate estimation of the flows through the treatment plant. Mr. Logsdon also mentioned that the air supply line to the post aeration had been cut during the replacement of the sand in the filter beds. This air supply line should be repaired as soon as possible.

A review of the discharge monitoring reports submitted for the months of January through July 2009 revealed several **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

/lb

Enclosure

pc: ~~NWDO-DSW file~~

Mike Logsdon, Eastwood Environmental Inc. w/enclosure



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

NPDES Permit No. 2PT00015

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

Facility Address 257 CR 40 Date 9/3/09 Time 10:30 am

City Sullivan County Ashtland Township Sullivan

Name and Address of Owner _____

Person Contacted Mike Logsdon - Eastwood Environmental Owner Phone _____

Flow: Design 25,000 GPD Present 10,000-20,000 GPD (metered estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 70° sunny

OEPA Personnel Walter Aris District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent 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
<input checked="" type="checkbox"/>	_____ Chlorination Tablets
<input checked="" type="checkbox"/>	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, ammonia

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Eastwood Environmental

Frequency of Visits 1/week

Facility Name: Black River Schools

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: <i>needs to be pumped</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	2	Flow Equalization	<i>ok/one EQ pump out</i>
Aeration Equipment		Plant Timer <u>Y</u> <u>N</u>	Cycle Time:
	2	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	2	Aeration Tank <i>one blower out or near plant</i>	Color: <i>good color - older plant has better color than new plant</i> Adequate Aeration: <u>Y</u> <u>N</u>
Final Settling	2	Clarifier	<i>ok</i>
	2	Sludge Return	In <u>2</u> Out <u> </u>
	2	Surface Skimmer	In <u>2</u> Out <u> </u>
	2	Fixed Media Clarifier	<i>ok</i>
Tertiary Treatment	2	Surface Sand Filter	<i>west filter has layer of sludge just switched to east filter</i>
		Polishing Pond	
		Other	
Disinfection	2	Chlorine Tube Feeder	<i>ok</i>
	2	Dechlorination Tube Feeder	<i>ok</i>
		Ultraviolet (UV)	
Flow Metering	2	Elapsed Pump Time	<i>need to replace meter on sand filter pumps</i>
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (flow) Flow EQ	<i>one pump out</i>
	2	Sand Filter Effluent Dosing	<i>one pump out</i>
Sludge Handling	2	Aerated Storage Tank	<i>ok</i>
		Sludge Drying Bed	
Sludge Disposal	2	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	2	Post Aeration	<i>air supply line is broken & needs to be repaired</i>
		Spray Irrigation	
		Other	

Get New Data

Black River Local Schools NPDES permit limit violations January through July 2009

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PT00015*CD	January 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	7.125	1/1/2009
2PT00015*CD	January 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	9.86	1/19/2009
2PT00015*CD	March 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	4.92	3/17/2009
2PT00015*CD	May 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.43	5/1/2009
2PT00015*CD	May 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.09	.10825	5/1/2009
2PT00015*CD	May 2009	001	00530	Total Suspended Solids	1D Conc	18	27.	5/28/2009
2PT00015*CD	May 2009	001	00530	Total Suspended Solids	1D Qty	1.70	2.0439	5/28/2009
2PT00015*CD	June 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.15	6/1/2009
2PT00015*CD	June 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	1.6	6/4/2009
2PT00015*CD	June 2009	001	00530	Total Suspended Solids	1D Conc.	18	19.	6/25/2009