



**Environmental  
Protection Agency**

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director

September 9, 2010

RE: WAYNE COUNTY  
WAYNE DALE HIGH SCHOOL  
NPDES PERMIT NO. 3PT00056

Mr. Michael Shreffler, Superintendent  
Southeast Local School District  
9048 Dover Road  
Applecreek, OH 44606

Dear Mr. Shreffler:

On August 31, 2010, this writer conducted an inspection of the wastewater treatment system for the Waynedale High School and Intermediate School. The intent of the inspection was to evaluate the operations and maintenance of the facility, and to notify the district that they had failed to submit an application to renew the National Pollutant Discharge Elimination System (NPDES) permit. Representing the school district during the inspection was Mr. Gary Whetstone, Maintenance Superintendent for the district.

Observations

Following are observations made by this writer during the inspection.

1. The contents of the aeration tank and the return activated sludge appeared grey in color indicating a low population of microbes in the system. This is an indication that the wastewater treatment system is not operating properly.
2. The blowers of the treatment system were not operational at the time of the inspection. There was no air circulating in the aeration tank or the sludge holding tank. Without the proper amount of air circulating through these tanks, the contents appeared to be turning septic.
3. The return skimmer was not operating properly at the time of inspection.
4. The effluent in the clarifiers was cloudy and grey in color. This is an indication that the system is not operating properly.
5. The sand filter beds were overgrown with weeds and must be cleaned immediately. The excessive vegetation and poor condition of the sand is not allowing the water to properly pass through the beds.
6. The effluent in the chlorination tank appeared to have an oily sheen on the surface and a grey color.

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Compliance Monitoring

A review of your Discharge Monitoring Reports (DMRs) covering the period January 1, 2008 through July 31, 2010 revealed the following effluent violations:

Numeric Violations

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2008	00300	Dissolved Oxygen	1D Conc	6.0	5.97	6/4/2008
June 2008	00300	Dissolved Oxygen	1D Conc	6.0	4.66	6/11/2008
June 2008	00300	Dissolved Oxygen	1D Conc	6.0	4.82	6/25/2008
July 2008	00300	Dissolved Oxygen	1D Conc	6.0	4.13	7/1/2008
July 2008	00300	Dissolved Oxygen	1D Conc	6.0	3.89	7/8/2008
July 2008	00300	Dissolved Oxygen	1D Conc	6.0	4.76	7/16/2008
July 2008	00300	Dissolved Oxygen	1D Conc	6.0	5.72	7/22/2008
August 2008	00400	pH	1D Conc	6.5	6.22	8/12/2008
August 2008	00300	Dissolved Oxygen	1D Conc	6.0	5.6	8/6/2008
August 2008	00300	Dissolved Oxygen	1D Conc	6.0	4.05	8/12/2008
April 2008	00300	Dissolved Oxygen	1D Conc	6.0	5.89	4/30/2008
May 2008	00300	Dissolved Oxygen	1D Conc	6.0	3.95	5/7/2008
May 2008	00300	Dissolved Oxygen	1D Conc	6.0	5.87	5/28/2008
June 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	6.21	6/1/2010
June 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.21	6/1/2010
June 2010	00300	Dissolved Oxygen	1D Conc	6.0	5.87	6/2/2010
September 2009	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.61	9/1/2009
April 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	8.443	4/1/2010
April 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	16.7	4/22/2010
April 2010	00400	pH	1D Conc	6.5	6.4	4/14/2010
May 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	13.155	5/1/2010
May 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	20.1	5/8/2010
May 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.21	5/22/2010
May 2010	00610	Nitrogen, Ammonia (NH3	30D Qty	0.10	.2717	5/1/2010
May 2010	00610	Nitrogen, Ammonia (NH3	7D Qty	0.15	.42376	5/8/2010
May 2010	00400	pH	1D Conc	6.5	6.48	5/12/2010
February 2009	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	18.8375	2/1/2009
February 2009	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	59.	2/1/2009
February 2009	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	14.7	2/8/2009
February 2009	00610	Nitrogen, Ammonia (NH3	30D Qty	0.32	.71378	2/1/2009
February 2009	00610	Nitrogen, Ammonia (NH3	7D Qty	0.47	1.30416	2/1/2009
February 2009	00610	Nitrogen, Ammonia (NH3	7D Qty	0.47	1.50394	2/8/2009
January 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	20.45	1/1/2010
January 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	22.4	1/8/2010
January 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	18.5	1/22/2010

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Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2010	00610	Nitrogen, Ammonia (NH3	30D Qty	0.32	.40715	1/1/2010
January 2010	00610	Nitrogen, Ammonia (NH3	7D Qty	0.47	.5104	1/8/2010
February 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	7.54667	2/1/2010
February 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	18.5	2/22/2010
March 2010	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.075	3/1/2010
March 2010	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	10.1	3/8/2010
March 2010	00300	Dissolved Oxygen	1D Conc	6.0	5.95	3/31/2010
June 2009	00300	Dissolved Oxygen	1D Conc	6.0	5.94	6/17/2009

### Frequency Violations

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
January 2008	588	70316	Sludge Weight	1/Month	1	0	01/01/2008
February 2008	588	70316	Sludge Weight	1/Month	1	0	02/01/2008
March 2008	588	70316	Sludge Weight	1/Month	1	0	03/01/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	1/2Weeks	1	0	03/15/2008
April 2008	588	70316	Sludge Weight	1/Month	1	0	04/01/2008
May 2008	588	70316	Sludge Weight	1/Month	1	0	05/01/2008
May 2008	001	50060	Chlorine, Total Residu	1/Day	1	0	05/30/2008
May 2008	001	50060	Chlorine, Total Residu	1/Day	1	0	05/31/2008
June 2008	588	70316	Sludge Weight	1/Month	1	0	06/01/2008
July 2008	588	70316	Sludge Weight	1/Month	1	0	07/01/2008
July 2008	001	01330	Odor, Severity	1/Day	1	0	07/24/2008
August 2008	588	70316	Sludge Weight	1/Month	1	0	08/01/2008
September 2008	001	00530	Total Suspended Solids	1/Week	1	0	09/15/2008
September 2008	001	80082	CBOD 5 day	1/Week	1	0	09/15/2008
September 2008	001	00530	Total Suspended Solids	1/Week	1	0	09/22/2008
September 2008	001	80082	CBOD 5 day	1/Week	1	0	09/22/2008
November 2008	588	70316	Sludge Weight	1/Month	1	0	11/01/2008
December 2008	588	70316	Sludge Weight	1/Month	1	0	12/01/2008
April 2009	001	00530	Total Suspended Solids	1/Week	1	0	04/01/2009
April 2009	001	80082	CBOD 5 day	1/Week	1	0	04/01/2009
April 2009	001	00400	pH	1/Week	1	0	04/01/2009
April 2009	001	00300	Dissolved Oxygen	1/Week	1	0	04/01/2009
April 2009	001	00530	Total Suspended Solids	1/Week	1	0	04/15/2009
April 2009	001	80082	CBOD 5 day	1/Week	1	0	04/15/2009
April 2009	001	00400	pH	1/Week	1	0	04/15/2009
April 2009	001	00300	Dissolved Oxygen	1/Week	1	0	04/15/2009
March 2010	001	00610	Nitrogen, Ammonia (NH3	1/2Weeks	1	0	03/15/2010

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Please provide a response to this office indicating the status of the wastewater treatment system and the steps taken to repair and return the system to proper working order. The response should be provided within 30 days of receipt of this letter.

Additionally, the school district must submit their NPDES permit renewal application. The application and information to include on the forms was discussed with Mr. Whetstone during the inspection. Please submit the NPDES renewal application and fees within 15 days of receipt of this letter.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1255.

Respectfully,



Todd Surrena  
Engineering Geologist  
Division of Surface Water

TMS/mt

cc: Gary Whetstone, Maintenance Superintendent, Southeast Local School District