



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: Erie County
Berlin-Milan Schools
NPDES Permit

August 13, 2008

Mr. David Snook, Superintendent
Berlin-Milan Local Schools
140 South Main Street
Milan, Ohio 44846

Dear Mr. Snook:

On July 1, 2008 an inspection was made of the sewerage facilities serving the Berlin-Milan Middle School in conjunction with the renewal of the NPDES permit which expired July 31, 2008. The Edison High School was also visited. Mr. Don Opfer, Safety Director escorted me and provided information regarding operation of the facilities. My comments and recommendations are as follows:

Middle School – I was very disappointed at the current and past performance of this plant. At the time of my visit air supply problems were resulting in inadequate aeration being provided to the plant and it was nearly septic. The surface sandfilters were very heavily weeded and need attention. A review of your NPDES monthly discharge monitoring reports since 2006 indicate chronic violations of permit limitations. A copy is enclosed for your review. It's obvious that this facility is not receiving the necessary operation and maintenance oversight, and has been allowed to deteriorate since the plant was installed in 2002. I spoke to Steve Howe, AKE Labs, your technical supervisor, who stated that they are only authorized for monthly visits to collect samples and limited authorization to make improvements. Once per month is inadequate and maintenance visits must be increased as necessary. Wastewater Operator certification requirements have recently been updated and now require minimum on-site hours be documented depending on the size of the facility.

I recommended to Mr. Opfer that the plant manufacturer be contacted to make a thorough inspection of all components and make necessary improvements in order to bring the plant back into compliance. A schedule of compliance will be included in the NPDES permit renewal requiring all necessary improvements be made to meet final table effluent limits. If the chronic noncompliance continues you will be subject to formal enforcement action from this agency. Please notify me in writing within 14 days of your plans to implement improvements to bring the plant back into compliance.

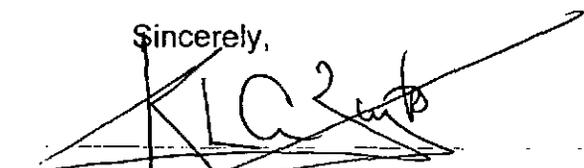
You will be receiving a "draft" copy of the renewal in the near future for your review. Please review it carefully, as you will have a 30-day period in which to comment. Once issued final, it will remain effective for another five year period.

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Edison High School – At the time of my visit both operation and maintenance appeared fair and a clear final effluent was observed being discharged from the plant. A review of your NPDES monthly discharge monitoring reports since January 2007, the effective date of the current permit, indicate continued chronic ammonia violations. A copy is enclosed for your review, as well as a copy of the NPDES schedule of compliance requiring improvements in the form of flow equalization and sludge holding equipment by December 1, 2010. A permit to install is required by December 1, 2009.

Enclosed are my completed inspection reports. I will await your response. If you have any questions, or feel a meeting is necessary to discuss these issues, please feel free to call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Sincerely,



Richard A. Zuzik, MSE
Division of Surface Water

/csl

pc: Erie County Health Department
AKE Labs
DSW, NWDO file

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PRO0174

Facility Name Edison High School Expiration Date 11-30-2012

Facility Address 2603 SR 113, E Date 7-1-08 Time 11⁰⁰ (am) (pm)

City _____ County Erie Township Milan

Name and Address of Owner Berlin-Milan Local Schools

Person Contacted Dan Opfer, Safety Director Owner Phone (419) 499-4625

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

Trib. Pop. 700 (actual - estimated) Weather at time of inspection: Temp 75° Clear

OEPA Personnel Rick Zuzik 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: trib. of Huron River

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
①	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 <input checked="" type="checkbox"/>	OUT _____
<input checked="" type="checkbox"/>	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations Ammonia

5. Adequate plant safety

6. Operation and Maintenance Service Name AKE Labs

Frequency of Visits 1/month

Facility Name: Edison High School

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	NEEDED
Aeration Equipment		Plant Timer: ___Y___N	Cycle Time:
	2	Motor/Blower Unit	
Secondary Treatment	3	Aeration Tank	Color: <i>Brown</i> Adequate Aeration: Y. <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	
	2	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	2	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>some weeds</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Edison H.S

12/1/07 -

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00174*BD	February 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc	3.0		4.48	2/1/2008
2PR00174*BD	April 2008	001	00530	Total Suspended Solids 30D Conc	12		17.	4/1/2008
2PR00174*BD	April 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc	3.0		8.1	4/1/2008
2PR00174*BD	April 2008	001	00610	Nitrogen, Ammonia (NH 1D Conc	4.5		8.1	4/10/2008
2PR00174*BD	May 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc	1.0		14.25	5/1/2008
2PR00174*BD	May 2008	001	00610	Nitrogen, Ammonia (NH 1D Conc	1.5		14.25	5/7/2008
2PR00174*BD	June 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc	1.0		1.04	6/1/2008