



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Erie County
Edison High School
Berlin-Milan Middle School
NPDES Permit/ Notice of
Violation

May 17, 2011

Mr. Bill Pahl, Interim Superintendent
Berlin-Milan Local Schools
140 South Main Street
Milan, Ohio 44846

Dear Mr. Pahl:

On April 14, 2011, an inspection was made of the sewerage facilities serving the Edison High and Middle Schools. Mr. Chris Rankin, Maintenance was present and provided information on facility operations. My comments and recommendations are as follows:

Edison H.S.- At the time of my visit both operation and maintenance appeared good and a clear final effluent was observed being discharged to the receiving stream. Mr. Rankin informed me that a baffle was installed in the clarifier, low flow fixtures were installed in the school and more environmentally friendly cleaning products are now being used. These are all positive actions.

A review of your NPDES monthly discharge monitoring reports since last inspection, indicate continued ammonia violations despite the above noted actions. 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 was obtained in February 2010, but the improvements have not been installed. Note that this permit to install will expire August 9, 2011. If you do not anticipate construction beginning prior to August, a one-year extension can be requested in writing prior to that date.

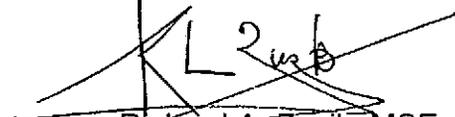
Please be aware that that the board is in violation of the compliance schedule, and is subject to possible enforcement action from this agency. Please notify me in writing or email within 21 days of receiving this letter with your plans to install the improvements.

Mr. Bill Pahl
May 17, 2011
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Middle School – Adequate operation and maintenance at this facility has been lacking in the past, however, Mr. Rankin has made great efforts in improving all aspects of plant operations. Both sand filters are scheduled to be renovated, and a motor/blower unit and EQ pump have been replaced. Water reduction efforts and cleaning product replacement have also been implemented at this school. A very clear final effluent was observed prior to discharge. NPDES monthly discharge monitoring reports also continue to indicate violations.

We appreciate Mr. Rankin's efforts to improve operations at these facilities. Enclosed are the completed inspection reports and list of violations. I will await your response regarding the High School improvements. If you have any questions, or feel a meeting is necessary to discuss these issues, please call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Zuzik', is written over a horizontal line. The signature is somewhat stylized and overlaps the line.

Richard A. Zuzik, MSE
Division of Surface Water

/cs

Enclosures

pc: Erie County Health Department
DSW, NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00174

Facility Name Edison High School Expiration Date 11-30-12

Facility Address 2603 SR 113 E Date 4-14-11 Time 10:15 (am/pm)

City - County Erie Township Milan

Name and Address of Owner Bedin - Milan Local Schools (419) 499-4625

Person Contacted Chris Rankin, Maintenance Owner Phone (419) 541-1392

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

Trib. Pop. 700 est (actual - estimated) Weather at time of inspection: Temp 50° cloudy

OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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
<u>0</u>	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	Chlorination Tablets	<u>N/A</u>
_____	_____	Dechlorination Tablets	
_____	_____	U.V.	

Yes No (9/10 - 4/11)

log book on site

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____

Chronic Violations Ammonia, Compliance Sch

5. Adequate plant safety

6. Operation and Maintenance Service Name Ake / Chris Rankin

Frequency of Visits Daily - Chris

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	Compliance schedule violation
Aeration Equipment		Plant Timer ___Y___N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	3	Aeration Tank	Color: Brown Adequate Aeration: Y <input checked="" type="checkbox"/> N ___
Final Settling	1	Clarifier	slightly turbid
	2	Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In ___ Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	Well kept
		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)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	Compliance schedule violation
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

(9-10 to 4-11)

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00174*BD	September 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	8.75	9/1/2010
2PR00174*BD	September 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	8.75	9/1/2010
2PR00174*BD	September 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.06624	9/1/2010
2PR00174*BD	October 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	20.25	10/1/2010
2PR00174*BD	October 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.06	.15329	10/1/2010
2PR00174*BD	October 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	20.25	10/13/2010
2PR00174*BD	October 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.08	.15329	10/13/2010
2PR00174*BD	November 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	18.75	11/1/2010
2PR00174*BD	November 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	18.75	11/10/2010
2PR00174*BD	November 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	22.25	12/1/2010
2PR00174*BD	December 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	22.25	12/8/2010
2PR00174*BD	February 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.9	2/1/2011
2PR00174*BD	February 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	10.9	2/4/2011

Application No. OH0130567

Issue Date: November 8, 2007

Effective Date: December 1, 2007

Expiration Date: November 30, 2012

RECEIVED

NOV 13 2007

OHIO E.P.A.
N.W.D.O.

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Berlin -Milan Local Schools
Edison High School

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the wastewater treatment works located at 2603 State Route 113 East, Milan, Ohio, Erie County and discharging to a tributary of the Huron River in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.



Chris Korleski
Director

Total Pages: 17

Part I, C. - SCHEDULE OF COMPLIANCE

A. The permittee shall make all improvements necessary to meet final table effluent limits within 36 months from the effective date of this permit. (5699)

B. A permit to install (PTI) shall be submitted to the Northwest District Office 24 months from the effective date of this permit indicating the installation of a minimum of 8250 gallons of flow equalization equipment and 3000 gallons minimum aerated sludge holding capacity. Installation shall be completed and facilities operational in order to comply with Item A of this schedule.(1299)