



**Environmental  
Protection Agency**

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

RE: Mercer County  
Elks Club No. 2170 WWTP  
NPDES Permit

June 25, 2012

Mr. Kirk Stucke  
General Manager  
Elks Club 2170  
3242 US 127  
Celina, Ohio 45822

Dear Mr. Stucke:

On May 22, 2012, an inspection was conducted of the Elks Golf Course wastewater treatment plant (WWTP) located at 3242 State Route 127, Celina, Mercer County. Please see our observations below:

During the inspection, the blowers were not operating. The aeration tanks appeared light in color. The effluent from the clarifier was clear; however, there was sludge observed in the trough that should be cleaned out. The sand filters were in good condition. The effluent appeared clear. We were not able to determine if there were chlorination and dechlorination tablets in the tablet feeders. Please note that disinfection should be in place from May 1- October 31.

A review of your discharge monitoring reports from April 2011 through April 2012 shows violations of the terms and conditions of your permit. The specific instances of non-compliance are enclosed.

Please inform this office in writing within 10 days of the reasons for these violations as well as a description of the actions taken or proposed to prevent any further violations.

If you have any questions, please call me at (419) 373-3019.

Sincerely,

Michelle Sharp  
Environmental Specialist II  
Division of Surface Water

/jlm

Enclosures

pc: Mercer County Health Department

ec: Tracking

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
5/1/2011	001	80082	CBOD 5 day	30D Conc	10	12.57
5/11/2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	42.6
6/8/2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	8.5
6/28/2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	18.3
7/1/2011	001	80082	CBOD 5 day	30D Conc	10	80.28
7/13/2011	001	80082	CBOD 5 day	1D Conc	15	80.28
7/13/2011	001	00300	Dissolved Oxygen	1D Conc	6.0	.75
7/28/2011	001	00300	Dissolved Oxygen	1D Conc	6.0	4.15
8/10/2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	6.75
8/24/2011	001	00300	Dissolved Oxygen	1D Conc	6.0	3.8
9/1/2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.01
10/12/2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	9.6

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

NPDES Permit No. 2PR00184

Facility Name Mercer County Elks No 2176 Expiration Date July 31, 2013  
Facility Address 3242 State Route 127 Date 5-22-12 Time am / pm  
City Celina County Mercer Township \_\_\_\_\_  
Name and Address of Owner Mercer County Elks

Person Contacted \_\_\_\_\_ Owner Phone 419 925 4232

Flow: Design 3,500 GPD Present 490 GPD (metered - estimated)

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

OEPA Personnel Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	0	Clear	0	None	0	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: Beaver Creek

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	0	Clear	0	None	0	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 Y 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
_____	_____ Dechlorination Tablets
_____	_____ U.V. <u>Not observed</u>

Yes No

4. X \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations Y N Parameters: \_\_\_\_\_

Chronic Violations \_\_\_\_\_

5. \_\_\_\_\_ X Adequate plant safety

6. \_\_\_\_\_ Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Elks 2170

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <u>X</u> <u>Y</u> <u>N</u> Motor/ Blower Unit	Cycle Time: 45 min on / 15 min off
Secondary Treatment	X	Aeration Tank	Color: Light in color Adequate Aeration: <u>Y</u> <u>N</u>
Final Settling	X	Clarifier	Effluent OK Sludge in trough
	X	Sludge Return	In Out Not Observed
	X	Surface Skimmer	In Out Not Observed
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	Good
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
	X	Chlorine Tube Feeder	Not Observed
	X	Dechlorination Tube Feeder	Not Observed
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	