



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

Re: **Notice of Violation**
Mercer County
Elks Club No: 2170 WWTP
Ohio EPA Permit No. 2PR00184
NPDES Permit No. OH0132519

December 7, 2012

Mr. Kirk Stucke
General Manager
3242 U. S. Route 127
Celina, Ohio 45822

Dear Mr. Stucke:

On November 20, 2012, Ms. Michelle Sharp and I conducted an inspection of the wastewater treatment facilities serving the Mercer County Elks Club located at 3242 U. S. Route 127, Celina, Ohio. At the time of the inspection, a clear effluent was observed at outfall 001.

During the inspection the following was noted:

1. Effluent dosed into the sand filters flows to one corner of the bed. I recommend that the sand is leveled so that the entire surface of the bed is utilized to improve the function of the filters.
2. The log book must include entry and exit times of the operator of record rather than the total time at the plant.

A review of the self-monitoring reports that are submitted under the National Pollutant Discharge Elimination System (NPDES) permit shows that this facility is in significant non-compliance (SNC) for Chlorine and Ammonia at outfall number 001. I am enclosing a list of violations for this facility for the period of November 1, 2011 through November 1, 2012. A facility becomes SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months in two consecutive quarters.

Achieving compliance with Ohio's environmental laws is a primary focus of Ohio EPA in order to reduce risks to public health and welfare.

Mr. Kirk Stucke
December 7, 2012
Page Two

Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility back into compliance. Within 21 days of the date of this letter, please submit, in writing, the actions that you propose to undertake in order to return your facility into compliance with your NPDES permit. You will also need to give us a timetable for these actions that does not extend past May 31, 2013. These actions and timetable may also be submitted by email to Michelle Sharp at michelle.sharp@epa.state.oh.us.

If you wish to meet with us to discuss this matter, please contact Michelle at 419-373-3019 within 10 days of receiving this letter in order to set up a meeting.

Sincerely,

A handwritten signature in cursive script, appearing to read "Peggy B. Christie".

Peggy B. Christie
Division of Surface Water

/jlm

Enclosures

ec: Inspection Tracking

Limit Violations for Elks Club No. 2170 from November 1, 2011 through November 1, 2012

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
5/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.18
5/10/2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	34.
5/22/2012	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	7.18
5/22/2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	7.5
6/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	19.45
6/1/2012	001	80082	CBOD 5 day	30D Conc	10	10.26
6/27/2012	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	19.45
7/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	10.66
7/24/2012	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	10.66
7/24/2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	1.81
10/11/2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	.48
10/11/2012	001	00400	pH	1D Conc	9.0	10.03
10/23/2012	001	50060	Chlorine, Total Residu	1D Conc	0.019	4.34

District Six Month SNC

District Six Month SNC					Review Period: 10/1/2016 - 10/01/2017		
County	Permit No.	Facility	Station	Parameter	Max. % Exceed	Violations	Violations
Mercer	2PR00184	Elks Club No 2170 South *	001	Nitrogen, Ammonia (NH3)	548.3	3	3
Mercer	2PR00184	Elks Club No 2170 South *	001	Chlorine, Total Residual	178847.4	2	2

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00184

Facility Name Mercer Co. EIKs Club No. 2170 Expiration Date July 31, 2013

Facility Address 3242 U.S. Rt. 127 Date 11/20/12 Time 3:51 am pm

City Colina County Mercer Township _____

Name and Address of Owner _____

Person Contacted Kirk Stucker Owner Phone 419-925-4232

Flow: Design 3500 GPD Present _____ GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 50° F

OEPA Personnel Peggy Christie, Michelle Shoop District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		<u>Clear</u>		<u>None</u>		<u>Colorless</u>
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		<u>Clear</u>		<u>None</u>		<u>Colorless</u>
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>(Nov.)</u>
_____	_____	U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N
 Chronic Violations Y N
 Parameters: pH, CBOD, Chlorine, Ammonia

5. Adequate plant safety → no fence

6. _____ Operation and Maintenance Service Name _____

Frequency of Visits _____

Facility Name: Mercer Co. Elks No: 2170

Sign at Outfall

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