



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

Re: **Notice of Violation**  
 Crawford County  
 Sugar Grove Lake  
 NPDES Permit

March 22, 2013

Mr. R. Lyn Makeever  
 Crawford County Sanitary Engineer  
 112 East Mansfield Street  
 Bucyrus, Ohio 44820

Dear Mr. Makeever:

On February 13, 2013, an inspection was made of the wastewater treatment facility serving Sugar Grove Lake. Our observations and recommendations are below.

The treatment plant is operating adequately. The aeration tanks had a healthy brown color and were receiving an adequate amount of air. The clarifier appeared to be operating well and a clear effluent was observed. The sand filters were in good condition.

A review of your discharge monitoring reports shows that this facility is in significant non-compliance (SNC) for Nitrogen, Ammonia for July 2012 through December 2012. The following is a list of violations for this facility for that time period.

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
9/1/2012	001	31616	Fecal Coliform	30D Conc	1000	2440.
9/22/2012	001	31616	Fecal Coliform	7D Conc	2000	2440.
10/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.45
11/1/2012	001	00530	Total Suspended Solids	30D Conc	12.0	13.
11/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	41.6
11/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	0.17541
11/1/2012	001	80082	CBOD 5 day	30D Conc	10.0	11.
12/1/2012	001	00530	Total Suspended Solids	30D Conc	12.0	15.
12/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	28.5
12/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	0.13462

Mr. R. Lyn Makeever  
March 22, 2013  
Page Two

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
12/1/2012	001	80082	CBOD 5 day	30D Conc	10.0	36.
12/15/2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	28.5
12/15/2012	001	80082	CBOD 5 day	7D Conc	15.0	36.

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. When a facility is in SNC, Ohio EPA will consider escalated enforcement action.

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 National Pollutant Discharge Elimination System (NPDES) permit. You will also need to give us a timetable for these actions that does not extend past October 1, 2013. These actions and timetable may also be submitted by email to me at [michelle.sharp@epa.ohio.gov](mailto:michelle.sharp@epa.ohio.gov). If you wish to meet with us to discuss this matter, please contact me at 419-373-3019 within 10 days of receiving this letter in order to set up a meeting.

A log book must be developed and kept onsite at each facility to keep an up to date record for wastewater system operations and maintenance. The log book must contain at a minimum, the following information: identification of the sewerage system, or treatment works; date and times of arrival and departure for the operator of record, specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage received and/or effluent produced; results of tests performed and samples taken, unless documented on a laboratory bench sheet; performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and identification of the persons making entries. The records must be kept up to date, contain a minimum of three months data at all times, and be maintained on site for at least three years. These record keeping requirements must be implemented immediately.

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

Sincerely,



Michelle Sharp  
Environmental Specialist II  
Division of Surface Water

/jlm

Enclosure

pc: Crawford County Health Department  
ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PW00013

Facility Name Sugar Grove Lake WWTP Expiration Date 7-31-2014

Facility Location Sugar Grove Lake Rd Date 2-13-13 Time 1:30 am  PM

City Galion County Crawford Township \_\_\_\_\_

Name of Owner Crawford County Commissioners Owner Phone 419 562 5876

Person Contacted R. Lyn Makeever Owner Email \_\_\_\_\_

Operator of Record R. Lyn Makeever Operator Email \_\_\_\_\_

Flow: Design 10,000 GPD WWTP Classification: \_\_\_ A or X I

Trib. Pop. 1,000 (actual - ~~estimated~~) Weather at time of inspection: Temp 30 ° - Cloudy

OEPA Personnel Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description		Turbidity		Odor		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: Not Observed

	None		Mild		Moderate		Serious

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- N/A

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) <u>N/A</u>	
IN	OUT
_____	_____
_____	_____
_____	_____

Chlorination Tablets  
 Dechlorination Tablets  
 Ultraviolet (U.V.)

Yes No

4.  Compliance with NPDES Permit - Time Period: 11/2012 to 3/2013

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

Chronic Violations  TSS, Ammonia, CBOD

5. \_\_\_\_\_ O & M logbook kept and available on site: Location \_\_\_\_\_

6.  Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)  
 (Class I - 3 days per week for minimum 1.5 hours per week)

7.  Adequate Plant Safety: Deficiencies \_\_\_\_\_

Facility Name: Sugar Grove Lake WWTP

Process	# Units	Unit	If Needed – Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment		Plant Timer <u>X</u> Y ___ N	Cycle Time:
	X	Motor / Blower Unit	<u>Varies</u>
Secondary Treatment	X	Aeration Tank	Color: <u>Good</u> Adequate Aeration Y <u>X</u> N
Final Settling	X	Clarifier	
	X	Sludge Return	In <u>X</u> Out ___
	X	Surface Skimmer	In <u>X</u> Out ___
	X	Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Good</u>
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
		Chlorine Tube Feeder	
		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	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	
		Spray Irrigation	
		Other	