



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

Re: Laurels of Shane Hill  
Mercer County  
NPDES General Permit

September 25, 2013

Mr. Jeff Long  
Laurels of Shane Hill  
10731 State Route 118  
Rockford, Ohio 45882

Dear Mr. Long:

On September 10, 2013, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was completed at the Laurels of Shane Hill, located at 10731 State Route 118 Rockford, Ohio, 45882. At the time of the inspection, all units were in service and the operation of the plant appeared fair.

The aeration tanks were receiving an adequate amount of air, but were light in color. The clarifiers were operating properly. The south sand filter was overgrown with plants, but the north sand filter was in good condition. Chlorination and dechlorination tablets were observed in the tablet feeders. The effluent had some color and turbidity to it. The plant is surrounded by a fence, but some of the grates over the tanks have completely rusted away creating a safety hazard. The grates should be replaced as soon as possible. Please submit written notification to us when this task has been completed.

A review of your discharge monitoring reports from February 2013 to July 2013 indicates violations of the conditions of your NPDES permit. The specific instances of non-compliance are below:

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
3/1/2013	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.
6/1/2013	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.5
6/1/2013	001	80082	CBOD 5 day	30D Conc	10	13.

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

Sincerely,

Michelle Mix  
Division of Surface Water

/jlm  
Enclosure  
pc: Mercer County Health Department  
ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2GS 00013

Facility Name Laurels of Shane Hill Expiration Date \_\_\_\_\_  
 Facility Location 10731 State Route 118 Date 9-10-13 Time 2:30 am / PM  
 City Rockford County Mercer Township \_\_\_\_\_  
 Name of Owner \_\_\_\_\_ Owner Phone \_\_\_\_\_  
 Person Contacted Jeff Long Owner Email \_\_\_\_\_  
 Operator of Record Jeff Long Operator Email Jeff.Long@rockfordohio.org  
 Flow: Design \_\_\_\_\_ GPD WWTP Classification: X A or 1  
 Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 93° - Sunny  
 OEPA Personnel Michelle Mix District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	Clear	None	Colorless
1	Mild	X		X
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 X fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent \_\_\_\_\_ good X fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good Y 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)		
IN	OUT	
<u>X</u>	_____	Chlorination Tablets
<u>X</u>	_____	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

Yes No

4. X \_\_\_\_\_ Compliance with NPDES Permit - Time Period: 2-1-13 to 8-1-13

Periodic Violations X Y N Parameters: Ammonia, CBOP  
 Chronic Violations \_\_\_\_\_

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

6. X \_\_\_\_\_ 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. X \_\_\_\_\_ Adequate Plant Safety: Deficiencies Grates Rusted Through

Facility Name: Laurels of Shane Hill

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency Quarter Mikes Sanitation
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: 24/7
		Motor / Blower Unit	
Secondary Treatment	X	Aeration Tank	Color: light in color Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	X	Clarifier	OK
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	S-Plants N-OK
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
		Chlorine Tube Feeder	In
		Dechlorination Tube Feeder	In
		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	