



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

Re: **Notice of Violation**
Ashland County
Bailey Lakes WWTP
NPDES Permit

November 8, 2012

The Honorable Ken Carpenter
Mayor of the Village of Bailey Lakes
P.O. Box 989
Ashland, Ohio 44805

Dear Mayor Carpenter:

On September 25, 2012, an inspection was conducted at the Village of Bailey Lakes wastewater treatment plant (WWTP). At the time of the inspection, all major treatment units were in operation. A few concerns with the plant operations were noted as follows.

There was trash built up on the flow splitting weir plate following the coarse bar screen in the influent lift station that appeared to be directing the majority of the incoming flow to the eastern treatment plant and very little to the western plant. This imbalance was confirmed by uneven flow to the clarifier weirs in the plants. The level of the clarifier on the western plant was actually several inches below the weir trough. The trash should be cleaned from the influent flow splitter and this activity should be included as part of the daily checks at the treatment plant.

One of the blower units had a motor but no blower was present. This means that no backup blower unit was available as required. It was also observed that an air leak had developed in the flexible rubber connector following the second blower. The third blower unit shall be repaired and made ready for service and the air leak on the second blower corrected. It will be necessary for you to contact our office once this has been completed.

Part II, Item P of your National Pollutant Discharge Elimination System (NPDES) permit requires that a sign be erected at the outfall location no later than October 1, 2012. At the time of the inspection, the sign had not been erected. If not already completed, this shall be completed immediately. Notification shall be made to our office once the sign is erected.

Mayor Ken Carpenter
November 8, 2012
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A review of the discharge monitoring reports submitted to our office for January through September 2012 revealed several violations of the limits contained in your NPDES permit. A printout of these violations has been included for your review. A response was received from the operator concerning the CBOD violations for June. Please be aware that the treatment plant was considered to be in Significant Non-Compliance for the period of January 1 to July 1, 2012. In order to avoid potential enforcement action and penalties from our Agency, special attention shall be made to regain and maintain compliance with the limits in the NPDES permit.

The need to install a permanent backup generator at the treatment plant is included in a compliance schedule in the current NPDES permit. The Village has until June 2014 to install a backup generator capable of running the entire plant.

If you have any questions, please call me at 419-373-3070.

Sincerely,



Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

pc: Dave Pitsenbarger

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2 PR00028

Facility Name Barley Lakes WWTP Expiration Date 5/31/17

Facility Address Lake Dr Date 9/25/12 Time 3:10 am (pm)

City Barley Lakes County Ashland Township _____

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 40,000 GPD Present 20,000-30,000 dry weather GPD (metered estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 65° clouds

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	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: Vermillion River

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	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 _____ good X fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good _____ fair _____ poor maintenance
no filters
 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
<u>X</u>	_____
_____	_____
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	U.V.

Yes No

4. X Compliance with NPDES Permit. Periodic Violations X Y N Parameters: CBOD, Excess NH3
 Chronic Violations _____

5. X Adequate plant safety
 6. X Operation and Maintenance Service Name Dave Pittsberger / Tim Hickey
 Frequency of Visits 3 to 4 / week

Facility Name: Bailey Lakes WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <u>1/month</u>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
		Motor/ Blower Unit <u>2 units on</u>	<u>3rd unit has no blower</u> <u>air leak in 2nd unit</u>
Secondary Treatment	X	Aeration Tank	Color: <u>good color in both plants</u> Adequate Aeration: <u>Y</u> <u>X</u> N
Final Settling	X	Clarifier <u>level in west plant</u> <u>several inches below</u> <u>weir trough</u>	<u>All clarifiers very clear</u>
	X	Sludge Return	In <u>X</u> Out <u> </u>
	X	Surface Skimmer	In <u>X</u> Out <u>X</u> <u>skimmer on east plant</u> <u>on but no flow</u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	X	Polishing Pond <u>Some duckweed</u> <u>on surface</u>	<u>Floating material in places thick</u> <u>enough to grow plants</u>
		Other	
Disinfection	X	Chlorine Tube Feeder	<u>okay</u>
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<u>on influent station</u>
		Recorder (continuous total)	
Pumps	X	Raw Wastewater (type) <u>submersible</u>	<u>trash build up on flow splitter</u> <u>causing imbalance</u>
		Sand Filter Effluent Dosing	
Sludge Handling	X	Aerated Storage Tank	<u>3/4 full - air off - no odors</u>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<u>on</u>
		Spray Irrigation	
		Other	

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Village of Bailey Lakes NPDES permit limit violations January through September 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00028*GD	March 2012	001	80082	CBOD 5 day	7D Qty	2.57	3.92429	3/1/2012
2PR00028*HD	June 2012	001	80082	CBOD 5 day	30D Conc	12.0	12.25	6/1/2012
2PR00028*HD	June 2012	001	80082	CBOD 5 day	7D Conc	17.0	38.	6/8/2012
2PR00028*HD	July 2012	001	31648	E. coli	30D Conc	161	1100.	7/1/2012
2PR00028*HD	July 2012	001	31648	E. coli	7D Conc	362	1100.	7/15/2012
2PR00028*HD	September 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	1.95	9/1/2012
2PR00028*HD	September 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	2.3	3.2	9/8/2012