



**Environmental
Protection Agency**

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

Re: Ashland County
Bailey Lakes WWTP
NPDES Permit

January 31, 2012

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

Dear Mayor Carpenter,

On January 18, 2012, an inspection was conducted at the Village of Bailey Lakes wastewater treatment plant. At the time of the inspection, all major treatment units were in operation and functioning normally. No major concerns were noted.

The Village is encouraged to continue looking at acquiring a backup generator and new electrical controls for the treatment plant. Both of these items are desperately needed upgrades. The need to install a permanent backup generator at the treatment plant will be included in a compliance schedule in the next NPDES permit. The Village will have until June 2014 to install a backup generator capable of running the entire plant.

A review of the discharge monitoring reports submitted to our office for January through December 2011 revealed several violations of the limits contained in your NPDES permit. All but one of the violations was for exceeding the allowed loading to the receiving stream. The loading is based on the flow through the treatment plant. The flow data from the treatment plant continues to show that flows in excess of the design capacity occur quite frequently. It is evident by looking at the flow data that the Village has an inflow/infiltration problem to the sanitary sewers. The Village is encouraged to look for sources of I/I into the sewer system and eliminate them.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/jlm
Enclosure
pc: Dave Pitsenbarger
ec: Inspection Tracking

Get New Data		Bailey Lakes NPDES permit limit violations January through December 2011						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00028*GD	March 2011	001	80082	CBOD 5 day	30D Qty	1.82	2.25465	3/1/2011
2PR00028*GD	March 2011	001	80082	CBOD 5 day	7D Qty	2.57	3.56093	3/1/2011
2PR00028*GD	March 2011	001	80082	CBOD 5 day	7D Conc	17	22.	3/22/2011
2PR00028*GD	April 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.45	.51161	4/1/2011
2PR00028*GD	April 2011	001	80082	CBOD 5 day	7D Qty	2.57	3.92429	4/22/2011
2PR00028*GD	May 2011	001	80082	CBOD 5 day	30D Qty	1.82	3.60271	5/1/2011
2PR00028*GD	May 2011	001	00530	Total Suspended Solids	7D Qty	3.33	4.62921	5/22/2011
2PR00028*GD	May 2011	001	80082	CBOD 5 day	7D Qty	2.57	7.93578	5/22/2011
2PR00028*GD	November 2011	001	00530	Total Suspended Solids	7D Qty	3.33	5.27599	11/22/2011
2PR00028*GD	December 2011	001	00530	Total Suspended Solids	30D Qty	2.27	4.44389	12/1/2011
2PR00028*GD	December 2011	001	80082	CBOD 5 day	30D Qty	1.82	2.99045	12/1/2011
2PR00028*GD	December 2011	001	80082	CBOD 5 day	7D Qty	2.57	2.83421	12/1/2011
2PR00028*GD	December 2011	001	00530	Total Suspended Solids	7D Qty	3.33	7.19453	12/8/2011
2PR00028*GD	December 2011	001	80082	CBOD 5 day	7D Qty	2.57	3.83708	12/8/2011
2PR00028*GD	December 2011	001	00530	Total Suspended Solids	7D Qty	3.33	6.61315	12/15/2011
2PR00028*GD	December 2011	001	80082	CBOD 5 day	7D Qty	2.57	3.30658	12/15/2011

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00028

Facility Name Barley Lakes WWTP Expiration Date 4/30/12

Facility Address Lake Dr Date 1/18/12 Time 10:30 am pm

City Barley Lakes County Ashland Township _____

Name and Address of Owner _____

Person Contacted Dave Pitsenberger - owner Owner Phone _____

Flow: Design 40,000 GPD Present 25,000-30,000 GPD (metered - estimated)
dry weather

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 30° sun
100,000+ during rain events

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	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: Vermillion River

No.	Severity Description	No.	Turbidity	No.	Odor	No.	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

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
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 <input checked="" type="checkbox"/>
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations N loading violations Parameters: _____
 Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Dave Pitsenberger / Tim Hickey

Frequency of Visits 3 to 4 per week

Facility Name: Bairby Lakes WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: <u>1/month</u>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> <input checked="" type="checkbox"/> N Motor/ Blower Unit <u>running</u>	Cycle Time: <u>both motors running</u> <u>-Can run the plant or one</u>
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <u>good color</u> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<u>good clarity</u>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	<input checked="" type="checkbox"/>	Polishing Pond	<u>pond very clear - no algae</u>
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<u>day - not regulated in winter</u>
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<u>on influent station</u>
		Recorder (continuous total)	
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (type) <u>submersible</u>	<u>okay</u>
		Sand Filter Effluent Dosing	
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	<u>very little - tank - pumped in November</u>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<u>or</u>
		Spray Irrigation	
		Other	