



Environmental
Protection Agency

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

Re: Ashland County
Bailey Lakes WWTP
NPDES Permit

February 2, 2011

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

Dear Mayor Carpenter:

On January 20, 2011, 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.

A review of the discharge monitoring reports submitted to our office for March through December 2010 revealed four violations of the limits contained in your NPDES permit. These violations were for exceeding the CBOD limit in the March and May 2010 samples. The flow data from the treatment plant continues to show that flows in excess of the design capacity occur occasionally. The Village is encouraged to look for sources of inflow and infiltration 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

/cs

Enclosure

pc: Dave Pitsenbarger
~~DSW;NWDO File w/enclosure~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00028

Facility Name Bailey Lakes WWTP Expiration Date 4/30/2012

Facility Address Lake Dr. Date 1/20/11 Time 12:00am/pm

City Bailey Lakes County Ashland Township _____

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 40,000 GPD Present 10,000-30,000 GPD ^{in dry weather} (metered/estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 18° snow

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 Y N Parameters: CBOD
 Chronic Violations _____ X _____

5. _____ Adequate plant safety

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

Frequency of Visits 1/week 1/day

Facility Name: Bailey Lakes WWTTP

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:
	<input checked="" type="checkbox"/>	Bar Screen	<u>okay - after influent pumps</u>
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> <input checked="" type="checkbox"/> N	Cycle Time:
		Motor/ Blower Unit <u>running</u>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <u>good color</u> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	<input checked="" type="checkbox"/>	Polishing Pond	<u>Pond fairly clear</u>
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<u>out chlorine tank clear</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>okay</u>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<u>on</u>
		Spray Irrigation	
		Other	