



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Ashland County
Bailey Lakes WWTP
NPDES Permit

April 3, 2009

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

Dear Mayor Carpenter:

On March 24, 2009, an inspection was conducted at the Village of Bailey Lakes wastewater treatment plant. Mr. Dave Pitsenbarger, your certified operator, was present to provide information on plant operations and maintenance. At the time of the inspection all major treatment units were in operation and functioning normally. No major concerns were noted.

Mr. Pitsenbarger indicated that the Village did not receive the grant funding that had been requested in order to purchase a back up generator. We recommend that the Village continue to pursue this project in future funding cycles, as it is greatly needed. We observed the current electrical connections and breakers at the treatment plant. These breakers are very old and in deteriorating condition. We recommend that upgrades to the existing electrical connections be made as part of any generator project.

We observed some dried sludge material in the yard near the treatment plant. Mr. Pitsenbarger indicated that during high flows in the previous month some material flowed out of the aeration tanks from the holes around the liquid transfer lines between the tanks. These holes will be sealed once the weather warms to a suitable temperature. Mr. Pitsenbarger indicated that the dried material would be cleaned in the next few weeks. Should a similar situation occur in the future, lime should be spread on the area to kill any residual bacteria.

A review of the discharge monitoring reports submitted to our office for July 2008 through February 2009 revealed three **violations** of the limits contained in your NPDES permit. Two violations for ammonia occurred in July 2008, and a total suspended solids violation occurred in December 2008. A review of the flow data revealed that the plant continues to receive periodic high flows. The Village is encouraged to continue working on eliminating sources of inflow and infiltration to the sewage system.

Honorable Ken Carpenter, Mayor
April 2, 2009
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If you have any questions please call me at 419-373-3070.

Sincerely,

A handwritten signature in black ink, appearing to read "Walter Ariss". The signature is fluid and cursive, with a large initial "W" and a long, sweeping tail.

Walter Ariss
Environmental Specialist II
Division of Surface Water

/csl

pc: Dave Pitsenbarger w/enclosure
NWDO-DSW file

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2 PR00028

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

Facility Address Lake Dr Date 3/24/09 Time 10:00 am

City Bailey Lakes County Ashland Township _____

Name and Address of Owner _____

Person Contacted Dave Pitsenbarger - Operator Owner Phone _____

Flow: Design 40,000 GPD Present 15,000-30,000 GPD ^{dry weather} (metered estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 40° sunny

OEPA Personnel Walker Aries 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: _____
 Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service

Name Dave Pitsenbarger / Tim Hickey

Frequency of Visits 1/week / 1/day

Facility Name: Bailey Lakes

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	Cycle Time:
		Motor/ Blower Unit <u>running</u>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank <u>need to seal tanks around transfer pipes</u>	Color: <u>good color</u> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> N <u> </u>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<u>Very clear</u>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <u> </u>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	<input checked="" type="checkbox"/>	Polishing Pond	<u>Pond very clear</u>
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<u>out</u>
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	<input checked="" type="checkbox"/>	Recorder (continuous total)	
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (type)	<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	