



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
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 Korfeski, Director

Re: Ashland County
Bailey Lakes WWTP
NPDES Permit

June 25, 2007

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

Dear Mayor Carpenter:

On June 21, 2007, an inspection was conducted at the Village of Bailey Lakes wastewater treatment plant (WWTP). 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.

The new influent lift station has been completed and was in operation. This station has been equipped with an automatic dialer system to notify Mr. Pitsenbarger should any problems with the new station occur. Our office would recommend that a drying rack be installed above the bar screen to allow material that is raked off the screen a place to dry and be scooped out.

A review of the monthly operating reports submitted to our office for May 2006, through May 2007, revealed very few violations of the limits contained in your NPDES permit. We are pleased to see that the plant is run in a manner that it consistently meets the permit limits. It was noticed that the flow rate at the treatment plant still varies greatly during rain events. Continued efforts to remove Inflow and Infiltration from the sewer system are highly recommended.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/l/r

pc: Dave Pitsenbarger)
DSW-NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. ~~8000~~ 2 PP000028

Facility Name Bailey Lakes WWTP Expiration Date 4/30/2012
 Facility Address Lake Drive Date 6/2/02 Time 10:00 am
 City Bailey Lakes County Ashland Township _____
 Name and Address of Owner _____
 Person Contacted Dave Pitsenbarger Owner Phone _____
 Flow: Design 40,000 GPD Present 20,000-30,000 GPD (metered - estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 74° Sunny
 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~~ no filters excellent _____ good _____ fair _____ poor maintenance
 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.)	
<input checked="" type="checkbox"/> IN	<input type="checkbox"/> OUT
_____	Chlorination Tablets
_____	Dechlorination Tablets <u>no dechlor unit</u>
_____	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

Frequency of Visits At least 4 times a week

Facility Name: Bailey Lakes

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
	8	Grease Trap	Pumping Frequency: 3 to 4 times a year
	8	Bar Screen	need a drying rack
		Comminutor	
		Flow Equalization	
Aeration Equipment	8	Plant Timer <u>Y</u> N Motor/ Blower Unit ^{2 running} 2 backup	Cycle Time:
Secondary Treatment	8	Aeration Tank	Color: good color Adequate Aeration: <u>Y</u> N
Final Settling	8	Clarifier	look great
	8	Sludge Return	In <u>8</u> Out <u> </u>
	8	Surface Skimmer	In <u>8</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	8	Polishing Pond	okay
		Other	
Disinfection	8	Chlorine Tube Feeder	okay
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	8	Elapsed Pump Time Recorder (continuous total)	or new one influent station
Pumps	8	Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	8	Aerated Storage Tank	pumped 3 to 4 times a year
		Sludge Drying Bed	
Sludge Disposal	8	Municipal POTW	from holding tanks
		Landfill	
	8	Land Application	from lagoon
Advanced Treatment	8	Post Aeration	
		Spray Irrigation	
		Other	



2PR0002820080813

ASHLAND BAILEY LAKES WWTP

2PR00028 2008/08/13 ARISS, WALTER

BAILEY LAKES



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

Re: Ashland County
Bailey Lakes WWTP
NPDES Permit

August 13, 2008

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

Dear Mayor Carpenter,

On July 24, 2008, 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:

A review of the discharge monitoring reports submitted to our office for December 2007 through June 2008 revealed several violations of the limits contained in your NPDES permit for the month of March 2008. These violations were for violating the loading limits contained in your permit. The violations were caused by the excessive flow rates the treatment plant received in the month of March. At times the flow rate was well over 300,000 gallons per day.

During the inspection we discussed the Village's efforts to replace areas of the sewer system. We observed some examples of the pipe material that has been removed as part of sewer replacement or repair projects. Several sections of pipe would not meet the current standards of acceptable material for sanitary sewers. It is evident that attention needs to be given to removing inflow and infiltration into the sanitary sewer system. This may require replacing significant portions of the sewer system.

We also discussed the need for a back up generator for the treatment plant. The treatment plant would be inoperable during a significant power outage which would certainly cause poorly treated sewage to be discharged from the plant. It may also lead to basement flooding should the influent pumps be inoperable.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

pc: Dave Pitsenbarger w/enclosure

~~NWDC-DSW file~~

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 7/24/08 Time 9:00 am

City Bailey Lakes County Ashland Township _____

Name and Address of Owner _____

Person Contacted Dave Pitsenbarger Owner Phone _____

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

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 70° sunny

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 _____

_____ Chlorination Tablets

_____ Dechlorination Tablets no dechlor

_____ U.V.

4. Yes _____ No Compliance with NPDES Permit

Periodic Violations Y _____ N Parameters: loading violations
 Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Dave Pitsenbarger, Tim Hickey

Frequency of Visits 1/day

Facility Name: Bailey Lakes WWT

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	8	Trash Trap	Pumping Frequency: 11 month
	8	Grease Trap - no grease trap at plant - maintain pumping @ local restaurants	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	8	Plant Timer <u>Y</u> <u>X</u> N	Cycle Time: blowers run all time
		Motor/ Blower Unit <u>running</u>	have 4 blowers, use 2
Secondary Treatment	8	Aeration Tank	Color: <u>great color</u> Adequate Aeration: Y <u>8</u> N <u> </u>
Final Settling	8	Clarifier	<u>extremely clear</u>
	8	Sludge Return	In <u>8</u> Out <u> </u>
	8	Surface Skimmer	In <u>8</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	8	Polishing Pond	<u>pond has layer of duckweed - no odors</u>
		Other	
Disinfection	8	Chlorine Tube Feeder <u>need to</u>	<u>make sure tablets fall correctly as lower ones dissolve - Check daily</u>
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	8	Elapsed Pump Time	<u>on influent pumps</u>
		Recorder (continuous total)	
Pumps	8	Raw Wastewater (type) <u>Submersible</u>	<u>station looks good / some grease in station</u>
		Sand Filter Effluent Dosing	
Sludge Handling	8	Aerated Storage Tank	<u>very thick sludge</u>
		Sludge Drying Bed	
Sludge Disposal	8	Municipal POTW	<u>Westfield Center</u>
		Landfill	
		Land Application	
Advanced Treatment	8	Post Aeration	<u>on / clear effluent</u>
		Spray Irrigation	
		Other	