



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 Korteski, Director

Re: Ashland County  
Bethel Baptist Church  
NPDES Permit

March 21, 2008

Pastor John Bouquet  
Bethel Baptist Church  
P.O. Box 128  
Savannah, Ohio 44874

Dear Pastor Bouquet:

On March 6, 2008, an inspection was made of the wastewater treatment facilities serving the Bethel Baptist Church located at 575 U.S. 250 North, Savannah, Ashland County. At the time of the inspection all major treatment components appeared to be in operation and functioning. A few concerns were noted as follows.

The color of the water in the aeration tanks was almost clear. I observed surface water flowing toward the treatment plant that appeared to be flowing into the trash trap either through the inlet pipe or between the gap where the concrete riser meets the top of the trash trap. Excessive clean water entering the plant is most likely contributing to the weak color of the aeration tank. The most effective way to prevent this situation would be to redirect the surface flow away from the treatment plant.

The northern sand filter was ponded. The flow should be switched to the southern filter which was clean and ready to use. It was also observed that a steady stream of water was surfacing next to the chlorine tank. It is assumed that this water was from the ponded sand filter. The integrity of the filter walls should be checked to assure that they are not leaking.

The joint between the dechlorination unit and the pipe from the chlorine tank had become dislodged. The pipe should be reconnected to assure that all flow runs through the dechlorination unit for treatment. The above issues should be corrected immediately.

A review of the monthly operating reports submitted to our office for the months of July 2007 through January 2008 revealed three violations of the limits contained in your NPDES permit.

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During the inspection it was also observed that an Amish outreach center had begun operating in a newly constructed office next to the church picnic pavilion. It will be necessary to contact our office in writing stating if restrooms are located within the office, and if so, if they were connected to the treatment plant.

Please contact me at 419-373-3070 with any questions.

Sincerely,



Walter Ariss  
Environmental Specialist II  
Division of Surface Water

/csl

Enclosure

Cpc: DSW-NWDO :  
Jim Machin, w/enc.

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00236

Facility Name Bethel Baptist Church Expiration Date 11/30/2011

Facility Address 575 US 250 Date 3/6/08 Time 3:00 am

City Savannah County Ashland Township \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

Person Contacted \_\_\_\_\_ Owner Phone \_\_\_\_\_

Flow: Design 4,300 GPD Present ~1000 during week ~7000 weekends GPD (~~metered~~ - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 30° rain

OEPA Personnel Walker 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: Unnamed trib 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

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

4.  Yes \_\_\_\_\_ No Compliance with NPDES Permit

Periodic Violations Y X N \_\_\_\_\_ Parameters: NH<sub>3</sub>, TSS  
 Chronic Violations \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service Name Jim Mackin

Frequency of Visits 1/week

Facility Name: Bethel WWTST

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap <i>water entering tank through inlet pipe or screen riser and</i>	Pumping Frequency:
		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 <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>very weak / solids wash out</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <u>    </u>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>lots of floating material</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <u>    </u> <i>returning clear</i>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <u>    </u>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>northern filter ponded southern clean walls may be leaking</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>okay</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>inlet pipe joint needs fix</i>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<i>on filter dosing</i>
		Recorder (continuous total)	
Pumps	<del><input checked="" type="checkbox"/></del>	<del>Raw Wastewater (type)</del>	
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	