



**Environmental
Protection Agency**

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

Re: Ashland County
Bethel Baptist Church
NPDES Permit

January 23, 2012

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

Dear Pastor Bouquet,

On January 11, 2012, an inspection was made of the wastewater treatment facilities serving the Bethel Baptist Church located at 575 U.S. 250 North, Savannah. At the time of the inspection, the treatment plant equipment was operating normally. No major concerns with the operations were noted.

The swale around the treatment plant has been constructed. A new weir in the clarifier tank has been installed. The discharge piping in the sand filters has also been repaired. Newly painted metal enclosures have also been placed around the blowers. The completion of these tasks should help insure trouble free operation of the treatment plant.

During the inspection, a large amount of white foam was observed in the aeration, clarifier, and sand filter dosing tanks. The foam was mounded several feet above the water surface in the aeration tanks. I inquired with the church secretary and she stated that the kitchen area had been waxed that morning. It was evident that this wax waste was then poured down the drain. Floor stripping and waxing products can be particularly detrimental to the biology of small treatment plants like yours. We encourage you to use only environmentally friendly products that do not contain zinc or formaldehyde. Any unused product should be kept for future use or disposed of in accordance with your local regulations and should not be poured down the drain.

It was also noted that no operational records were available at the treatment plant. It is required that the last three months of operator logs be kept at the treatment plant for review. This can be done by keeping a clipboard at the treatment plant with the operators log in a weather proof enclosure; a mailbox would be acceptable. The requirement to keep records at the treatment plant was noted during our previous inspection. This needs to be corrected immediately.

Pastor Bouquet
January 23, 2012
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A review of the discharge monitoring reports submitted to our office for the months of February through November 2011 revealed several **violations** of the limits contained in your NPDES permit. A printout of these **violations** has been enclosed for your review.

Our office is in the process of drafting your renewal NPDES permit. You should receive a draft copy of the permit within the next few weeks. Please share this draft copy with your certified operator and contact our office with any questions or comments.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

pc: Jim Machin

ec: Inspection Tracking

Get New Data		Bethel Baptist Church NPDES permit limit violations February through November 2011						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00236*AD	February 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.5	2/1/2011
2PR00236*AD	September 2011	001	00530	Total Suspended Solids	30D Conc	12	20.	9/1/2011
2PR00236*AD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	10.2	9/1/2011
2PR00236*AD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0163	.06081	9/1/2011
2PR00236*AD	September 2011	001	00530	Total Suspended Solids	1D Conc	18	20.	9/28/2011
2PR00236*AD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	10.2	9/28/2011
2PR00236*AD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.0245	.06081	9/28/2011

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00036

Facility Name Bethel Baptist Church Expiration Date 11/30/2011
 Facility Address 575 US 250 Date 1/11/12 Time 3:30 am (om)
 City Savannah County Ashland Township _____
 Name and Address of Owner Bethel Baptist Church
 Person Contacted _____ Owner Phone _____
 Flow: Design 4,300 GPD Present 4600 GPD (metered estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 37° rain
 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: unnamed tributary 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) floor cleaning 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.

Yes No

4. Compliance with NPDES Permit

Periodic Violations N Parameters: TSS, NH3
 Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Jim Machin

Frequency of Visits 1/week

Facility Name: Bethel Baptist

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer <u>Y</u> N Motor/ Blower Unit <i>running</i>	Cycle Time:
Secondary Treatment	2	Aeration Tank <i>Heavy white foam</i>	Color: <i>very weak color - ideally chocolate brown</i> Adequate Aeration: <u>Y</u> N
Final Settling	2	Clarifier <i>new w/c installed</i>	<i>white foam on surface</i> <i>good clarity</i>
	2	Sludge Return	In <u>2</u> Out <u> </u> <i>running clear</i> ^{should be brown}
	2	Surface Skimmer	In <u>2</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>both beds fairly weed free</i>
		Polishing Pond	
		Other	
Disinfection	2	Chlorine Tube Feeder	<i>okay - no tablets needed in winter</i>
	2	Dechlorination Tube Feeder	<i>okay - no tablets needed in winter</i>
		Ultraviolet (UV)	
Flow Metering <i>none</i>	11	Elapsed Pump Time	<u>Recommend Hour Meters</u> ★★
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	<i>pumps okay - foam in tank</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	2	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	