



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
Bethel Baptist Church
NPDES Permit

January 21, 2009

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

Dear Pastor Bouquet,

On January 8, 2009, 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 were in operation and functioning normally. Mr. Jim Machin, your certified operator was present during the inspection to answer any questions.

During the inspection it was noted that one of the belts on the aeration blower was close to failure. This belt should be replaced in the near future. It was also observed that neither of the blowers had an air filter. It is essential that the blowers be equipped with air filters. The filters clean the air coming into the blowers and prevent dirt and dust particles from causing damage to the vanes within the blower. The addition of filters will only help to extend the life of the blowers.

It was also noted that pump run meters on the sand filter dosing station should be added as a way to measure the flow rate through the treatment plant. These meters are fairly inexpensive (less than \$50.00) and will greatly improve the accuracy of the flow monitoring. Mr. Machin indicated that a new fence was to be installed around the treatment plant. This would be a great opportunity to create a small trench along the northeast corner of the treatment plant to direct surface water away from the plant area.

A review of the discharge monitoring reports submitted to our office for the months of March through November 2008 revealed two violations of the limits contained in your NPDES permit. These violations were for exceeding the CBOD limits on the August sample. Continued diligence from Mr. Machin should help continue the relatively violation free operation of the treatment plant.

Pastor John Bouquet
January 21, 2009
Page Two

Mr. Machin also indicated that the Church wished to provide a restroom in the Amish outreach center which operates in a building in the church parking lot. It would be necessary to submit and receive an approved Permit to Install (PTI) application from our office prior to connecting the restroom to the treatment plant. We discussed the details of the PTI during the inspection.

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

Sincerely,



Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosed

~~pe:DSW:NWDO~~

Jim Machin

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 1/8/09 Time 11:15 AM

City Savannah County Ashland Township Clear Creek

Name and Address of Owner _____

Person Contacted Jim Machin - Operator Owner Phone _____

Flow: Design 4,300 GPD Present ~1000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 30° Snow

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: Wood Fork 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
<u><input type="checkbox"/></u>	<u><input checked="" type="checkbox"/></u>
<u><input type="checkbox"/></u>	<u><input checked="" type="checkbox"/></u>
<u><input type="checkbox"/></u>	<u><input type="checkbox"/></u>
	Chlorination Tablets
	Dechlorination Tablets
	U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: CRD
 Chronic Violations

5. Adequate plant safety

6. Operation and Maintenance Service Name Jim Machin

Frequency of Visits 1/week

Facility Name: Bethel Baptist Church

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	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 Motor/ Blower Unit <i>running</i>	Cycle Time: <i>one of the blowers needs to have belt replaced / need air filters</i>
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>fairly clear</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>one filter partially frozen other very clean</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>out - not needed in winter</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>out - not needed in winter</i>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time <i>Estimate</i> Recorder (continuous total)	<i>need to install pump run meters or flow dosing</i>
Pumps		Raw Wastewater (type)	
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>look 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	



2PR0023620100326

ASHLAND BETHEL BAPTIST CHURCH

2PR00236 2010/03/26 ARISS, WALTER

SAVANNAH



State of Ohio Environmental Protection Agency

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

Re: Ashland County
Bethel Baptist Church
NPDES Permit

March 25, 2010

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

Dear Pastor Bouquet,

On March 11, 2010, 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 all major treatment components were in operation and functioning normally.

The new fence had been installed around the treatment plant. The swale around the eastern side of the plant has yet to be constructed. The swale was part of the approved drawings for the lateral line serving the Amish Outreach building and needs to be installed to prevent surface water inflow into the treatment plant. During the inspection, surface water was observed flowing directly into the trash trap tank, and was causing the influent to be very clear.

It was noted that the weir in the clarifier tank had partially fallen into the water. The support brackets holding the weir need to be repaired and the weir should be level across the length of the clarifier. The surface skimmer also needs to be adjusted upward so that it is just below the water surface. The weeds around the outlet pipe and dechlorination unit need to be cut back in order to allow for maintenance and ease of sample collection.

A review of the discharge monitoring reports submitted to our office for the months of December 2008 through January 2010 revealed four violations of the limits contained in your NPDES permit. These violations were for exceeding the ammonia limits on the January 2009 and January 2010 samples. Continued diligence from Mr. Machin should help continue the relatively violation free operation of the treatment plant.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb
Enclosure

pc: [REDACTED] DSW-NWDO [REDACTED]
Jim Machin, w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. APR00236

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

Facility Address 575 US 250 Date 3/11/10 Time 3:00 am

City Savannah County Ashland Township Clear Creek

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 4,300 GPD Present 2,000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 60° 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: Walter Ariss 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 type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
	U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N N/A Parameters: _____
 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	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: <i>water flowing into tank</i>
		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>good color</i> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>need to adjust skimmer up to water surface/weir supports need repaired & leveled.</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>filters in great condition</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>out</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	<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	