



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Kortleski, Director

Re: Erie County
Beulah Beach Camp & Retreat
Cottages of Beulah Beach
NPDES Permit

September 8, 2010

Mr. Ralph Trainer, Director
Beulah Beach Christian Community
6101 West Lake Road
Vermilion, OH 44089

Dear Mr. Trainer:

On September 1, 2010, an inspection was made of the wastewater treatment plants serving Beulah Beach Camp and the Cottages. My comments and recommendations are as follows:

Camp & Retreat Center - At the time of my visit, all major components were in operation and a very clear final effluent was observed being discharged from the plant. There were some bulking solids floating in the clarifier and a heavy build up of scum behind the baffle. In general, both operation and maintenance were improved since my last inspection.

Monthly discharge monitoring reports are being received in a timely manner and indicate periodic violations of your NPDES permit thus far this year. A copy of the violations is enclosed to review with your operator.

The NPDES permit expires at the end of the year and we received your NPDES renewal application. You will be receiving a draft copy of the permit in the near future, and should review it carefully, as there is a 30 day comment period to respond to any permit conditions.

Cottages- I found the motor/blower unit operating, however, the sludge return was plugged causing the clarifier to go stagnant. Despite this deficiency, I did observe a slightly turbid final effluent in the contact tank. I did notice the dechlorination unit missing, which should be replaced. Your operator was notified of the plugged sludge return.

Please find enclosed a copy of our inspection reports, if there are any errors, or if you have any questions, please call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Sincerely,


Richard A. Zuzik, MSE
Division of Surface Water

/lb

pc: Eastwood Environmental

Erie County Health Dept

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402-9398

419 | 352 8461
419 | 352 8468 (fax)
www.epa.ohio.gov

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR 000 94

Facility Name Beulah Beach Camp Expiration Date 12-31-10
 Facility Address 6101 West Lake Rd Date 9-1-10 Time 1³⁰ am (pm)
 City - County Erie Township Vermilion
 Name and Address of Owner Beulah Beach Church Community
 Person Contacted None Owner Phone (440) 967-4861
 Flow Design 30,625 GPD Present GPD (metered - estimated)
 Trib. Pop. 400 campers, 75 permanent (actual - estimated) Weather at time of inspection: Temp 90° Clear
 OEPA Personnel District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None	<u>/</u>	Clear	<u>/</u>	None	<u>/</u>	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: Chappel Creek

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None	<u>/</u>	Clear	<u>/</u>	None	<u>/</u>	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>/</u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Chlorination Tablets
 Dechlorination Tablets
 Ultraviolet (U.V.)

Yes No (1/10 - 8/10)

4. Compliance with NPDES Permit
 Periodic Violations Y N Parameters:
 Chronic Violations

5. / Adequate plant safety
 6. / Operation and Maintenance Service Name Eastwood Env
 Frequency of Visits 1/WK

Facility Name: Beulah Beach

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	/	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer ___Y ___N Motor / Blower Unit	Cycle Time: "off" Mode
Secondary Treatment	/	Aeration Tank	Color: Adequate Aeration Y N
Final Settling	/	Clarifier	turbid, floating solids
		Sludge Return	In Out
		Surface Skimmer	In Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	OK
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	/	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00094*CD	July 2010	001	31616	Fecal Coliform	30D Conc	200	1400.	7/1/2010
2PR00094*CD	July 2010	001	31616	Fecal Coliform	1D Conc	400	1400.	7/13/2010
2PR00094*CD	July 2010	001	00530	Total Suspended Solids	1D Conc	18	19.	7/27/2010