



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 Korleski, Director

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

September 5, 2008

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

Dear Mr. Trainer:

On August 21, 2008 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 clear final effluent was observed being discharged from the plant. The surface sand filter in use was ponded and both were heavily weeded and in need of cleaning. There also appeared to be leakage from the southeast corner, which should be checked. There were bulking solids floating in the clarifier and a heavy build up of scum behind the baffle with weeds growing in it. This should be cleaned as well as the outlet weir. Monthly discharge monitoring reports are being received, and indicate some periodic violations in the past two years. A copy is enclosed for your review. Overall maintenance was only fair, and should be improved.

Cottages- I was disappointed to find this plant completely out of service, and totally septic. This condition was noted in my last inspection and is unacceptable. This facility obviously needs more frequent attention. Please notify me when the plant is brought back into service, and plan to improve operations at this plant for next season. NPDES permit violations are also enclosed for your review.

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

Sincerely,

Richard A. Zuzik
Division of Surface Water

/lb

pc: Eastwood Environmental
~~INWDO file~~
Erie County Health Dept

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2P000168
 Facility Name Cottages of Beulah Beach Expiration Date 4-30-12
 Facility Address 5919 W. Lake Road Date 8-21-08 Time 2⁰⁰ am (pm)
 City _____ County Erie Township Vermilion
 Name and Address of Owner Beulah Beach Christian Community - Ralph Tramer, Exec. Director
 Person Contacted None Owner Phone (440) 967-4861
 Flow: Design 4000 GPD Present unknown GPD (metered - estimated)
 Trib. Pop. 28 cottages (actual - estimated) Weather at time of inspection: Temp 80° Clear
 OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme	<input checked="" type="checkbox"/>	Heavy Solids	<input checked="" type="checkbox"/>	Septic	<input checked="" type="checkbox"/>	Black

2. Effect of effluent on Receiving Stream Name: Trib to Lake Erie

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		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
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ Ultraviolet (U.V.)

4. Yes No Compliance with NPDES Permit
 Periodic Violations Y N Parameters: _____
 Chronic Violations _____

5. Yes No Adequate plant safety
 6. Yes No Operation and Maintenance Service
 Name Eastwood Environmental
 Frequency of Visits _____

Facility Name: Cottages

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	/	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	/	Plant Timer ___Y ___N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	/	Aeration Tank	Color: <i>Black, Septic</i> Adequate Aeration Y ___ N ___
Final Settling	/	Clarifier	<i>Septic</i>
		Sludge Return	In ___ Out <input checked="" type="checkbox"/>
		Surface Skimmer	In ___ Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	
		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	

1/07 - 7/08

Cottages at Beulah Beach

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00168*BD	June 2008	001	00610	Nitrogen, Ammonia (NH 1D Conc	1.5	17.91	17.91	6/26/2008
2PR00168*BD	June 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc	1.0	17.91	17.91	6/1/2008
2PR00168*BD	June 2008	001	31616	Fecal Coliform	1D Conc	400	1400.	6/16/2008
2PR00168*BD	June 2008	001	31616	Fecal Coliform	30D Conc	200	261.916	6/1/2008
2PR00168*BD	June 2008	001	00400	pH	1D Conc	6.5	6.4	6/26/2008
2PR00168*BD	June 2007	001	00610	Nitrogen, Ammonia (NH 1D Conc	1.5	5.2	5.2	6/8/2007
2PR00168*BD	June 2007	001	00610	Nitrogen, Ammonia (NH 30D Conc	1.0	5.2	5.2	6/1/2007