



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:

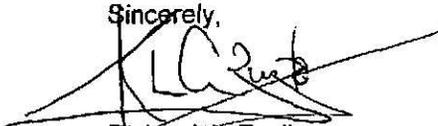
On August 21, 2008 an inspection was made of the wastewater treatment plants serving Beulah Beach Camp and the Cottages. My comments and recommendations are as follows:

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
~~ENVDO file~~
Erie County Health Dept

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00094

Facility Name Beulah Beach Camp & Retreat Center Expiration Date 8-31-05

Facility Address 6101 W. Lake Road Date 8-21-08 Time 1⁵⁰ am pm

City _____ County Erie Township Vermilion

Name and Address of Owner Beulah Beach Christian Community - Ralph Trainer Exec. Director

Person Contacted none Owner Phone (440) 967-4861

Flow: Design 30,625 GPD Present unknown GPD (metered - estimated)

Trib. Pop. 400 campers, 75 permanent (actual estimated) Weather at time of inspection: Temp 80° Clear

OEPA Personnel Bick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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: Chappel Creek

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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"/>	_____
<input checked="" type="checkbox"/>	_____
	Chlorination Tablets
	Dechlorination Tablets
	Ultraviolet (U.V.)

Yes No _____

(1/07 thru 7/08)

4. Compliance with NPDES Permit

Periodic Violations Y _____ N Parameters: fiscal Caliform

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service

Name Eastwood Environmental

Frequency of Visits 1/week

Facility Name: Beulah Beach

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment		Plant Timer <u> </u> Y <u> </u> N	Cycle Time:
	2	Motor / Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: <u>Mud Brown</u> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	1	Clarifier	<u>floating solids</u> <u>weed in heavy sludge behind baffle</u> <u>weir needs cleaned</u>
	1	Sludge Return	In <input checked="" type="checkbox"/> Out
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<u>heavily weeded</u> <u>making from SE corner</u>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
	2	Sludge Drying Bed	<u>not used</u>
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<u>in</u>
		Spray Irrigation	
		Other	

1/07 - 7/08
Beulah Beach

Get New Data

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00094*CD	February 2007	001	80082	CBOD 5 day	1D Conc	15	20.	2/6/2007
2PR00094*CD	February 2007	001	80082	CBOD 5 day	30D Conc	10	11.5	2/1/2007
2PR00094*CD	February 2007	001	00400	pH	1D Conc	9.0	13.	2/20/2007
2PR00094*CD	June 2008	001	31616	Fecal Coliform	1D Conc	400	8100.	6/12/2008
2PR00094*CD	June 2008	001	31616	Fecal Coliform	30D Conc	200	630.	6/1/2008
2PR00094*CD	May 2008	001	31616	Fecal Coliform	30D Conc	200	330.	5/1/2008
2PR00094*CD	June 2007	001	31616	Fecal Coliform	1D Conc	400	7100.	6/28/2007