



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: Ottawa County
South Bass Island
Saunders Cottages
NPDES Permit

October 14, 2008

Mrs. Bill Kowalski
Saunders Cottages
P.O. Box 70
Put-in-Bay, OH 43456

Dear Mr. Kowalski:

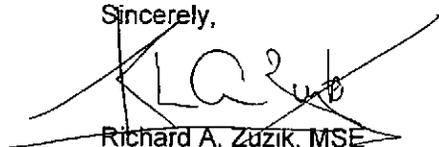
On September 4, 2008, an inspection was made of the wastewater treatment facilities serving Saunders Cottages. In general, both operation and maintenance of the plant appeared good. Our comments and recommendations are as follows:

At the time of my visit, all treatment units were in operation and a very clear final effluent was observed discharging to Lake Erie. The sand filter distribution box was leaking at the outlet and should be sealed. You indicated your plan to renovate the surface sand filters. There should be 18 inches of approved filter sand above the under drain gravel. Filter sand should be clean and washed with an effective size between 0.4 and 1.0 mm, with uniformity coefficient not greater than 3.0.

I appreciate your support and efforts in properly operating and maintaining your facility, and look forward to your continuing cooperation next season.

Enclosed is my completed inspection report. 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, MSE
Division of Surface Water

/lb

Enclosure

pc: DSW-NWDO File
Ottawa County Health Department

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00133

Facility Name Saunders Cottages Expiration Date 3-31-11

Facility Address 1495 Catawba Ave Date 9-9-08 Time 10:55 am / pm

City S. Bass Island county Ottawa Township Put-in-Bay

Name and Address of Owner Delores Kowalski, P.O. Box 70

Person Contacted Bill Owner Phone (419) 285-3917

Flow: Design 4500 GPD Present Unknown GPD (metered - estimated)

Trib. Pop. 16 cottages (actual - estimated) Weather at time of inspection: Temp 75° Cloudy

OEPA Personnel Rick 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: L. Erie

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 type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	Ultraviolet (U.V.)

Yes No

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

5. Adequate plant safety No fence

6. Operation and Maintenance Service

Name Bluffton Aeration
 Frequency of Visits 1/month

Facility Name: Saunders

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 <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	/	Aeration Tank	Color: <i>choc Brown</i> Adequate Aeration <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Final Settling	/	Clarifier	
		Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Surface Skimmer	In <input type="checkbox"/> Out <input checked="" type="checkbox"/> <i>manually operate</i>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>leaking d-box</i>
		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	