



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Erie County
Kelleys Island
The Island Cafe
NPDES Permit

August 30, 2011

Ms. Patty Johnson, Owner
The Island Cafe
P.O. Box 427
Kelleys Island, Ohio 43438

Dear Ms. Johnson:

On August 10, 2011, an inspection was made of the wastewater treatment facilities serving The Island Cafe. In general, both operation and maintenance appeared fair. At the time of my visit, all mechanical components were in operation and a turbid final effluent was observed in the contact tank. Both sand filters were ponded with one leaking near the contact tank and in need of attention. These need to be attended to as soon as possible.

Monthly discharge monitoring reports are being received and ammonia violations were reported in July. A copy of the violations is included to review with your operator.

Enclosed is a copy of our inspection report. 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

/jlm

Enclosures

pc: Erie County Health Department
Eastwood Environmental
File

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

Facility Name Island Cafe NPDES Permit No. 2PR 00122
 Expiration Date 7-31-13
 Facility Address W. Lake Shore & Cameron Date 8-10-11 Time 11:30 (am) (pm)
 City Kelley's Island County Erie Township _____
 Name and Address of Owner Patti Johnson
 Person Contacted Derrick Owner Phone (419) 746-2820
 Flow: Design 3200 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 76 seats (actual - estimated) Weather at time of inspection: Temp 80° Clear
 OEPA Personnel Rick Zurik District NWDO

1. Plant Effluent - Mark Severity No. - In Contact Tank

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

2. Effect of effluent on Receiving Stream Name: L. 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 <u>✓</u>	OUT _____
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. ✓ Compliance with NPDES Permit

Periodic Violations Y N Parameters: Ammonia

Chronic Violations _____

5. ✓ Adequate plant safety

6. ✓ Operation and Maintenance Service Name Castwood Env.

Frequency of Visits _____

Facility Name: Island Cafe

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency:
	1	Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer <u>Y</u> <u>N</u> Motor/ Blower Unit	Cycle Time:
Secondary Treatment	1	Aeration Tank	Color: <i>Dilute brown</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<i>poor settling</i>
	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	<i>both goned, 1 leaking</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>very turbid</i>
	1	Chlorine Tube Feeder	<i>IN</i>
	1	Dechlorination Tube Feeder	<i>IN</i>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	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	Report Value	Violation Date
2PR00122*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0		5.61	7/1/2011
2PR00122*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.012		.0637	7/1/2011
2PR00122*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.018		.0637	7/1/2011
2PR00122*CD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5		5.61	7/6/2011