



**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

June 20, 2012

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

Dear Ms. Johnson:

On May 22, 2012, 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 clear final effluent was observed in the contact tank, and disinfection and dechlorination tablets were in place for the new season. I noted that the operation of the motor/blower units was quite loud, and I recommend you explore the installation of mufflers on the units.

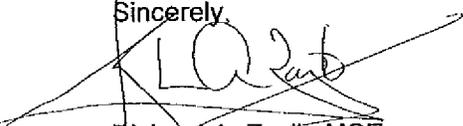
National Pollutant Discharge Elimination System (NPDES) permit discharge monitoring reports are being received and a review of the 2011 season indicated numerous ammonia violations throughout the primary tourist season. A copy is enclosed to review with your operator. Please be aware that chronic effluent violations will be an issue in the next NPDES permit renewal. I recommend all efforts be made to address this issue this season in order to prevent enforcement action in the renewal.

Please inform this office in writing, within 14 days, as to what actions will be taken to prevent further violations.

Your NPDES permit now includes new operator certification rules that require visits two days/week for a minimum of one hour/week. Documentation in the form of a logbook must be kept on-site for Ohio EPA review.

I will be making additional visits during the summer season to observe the plant under midseason operating conditions. 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 Inc.

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR 00122

Facility Name Island Cafe Expiration Date 7-31-13

Facility Address 503 W. Lake Shore Dr. Date 5-22-12 Time 2⁰⁰ am pm

City Kelleys Island County Erie Township _____

Name and Address of Owner Patti Johnson, P.O. Box 427, KI

Person Contacted none Owner Phone (419) 746-2820

Flow: Design 3200 GPD Present _____ GPD (metered - estimated)

Trib. Pop. 76 indoor/outdoor (actual - estimated) Weather at time of inspection: Temp 70° overcast

OEPA Personnel Hick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

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

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

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<input checked="" type="radio"/> 0	None		Clear		None		Colorless
<input type="radio"/> 1	Mild						
<input type="radio"/> 2	Moderate		Light Solids		Musty		Grey
<input type="radio"/> 3	Serious						
<input type="radio"/> 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 <input checked="" type="checkbox"/>	OUT _____	Chlorination Tablets
_____	_____	Dechlorination Tablets
_____	_____	U.V.

Yes No (2011)
 4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations Ammonia

5. Adequate plant safety
 6. Operation and Maintenance Service

Name Castwood Env.

7. logbook on-site

Frequency of Visits Class A, 2x/wk

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	
	1	Flow Equalization	<i>IN</i>
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor/ Blower Unit	<i>very loud - explore installation of mufflers</i>
Secondary Treatment	1	Aeration Tank	Color: <i>Light Brown</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<i>turbid</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>one drying</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	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)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	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
2PR00122*CD	May 2011	001	00530	Total Suspended Solids	30D Conc	12	16.	5/1/2011
2PR00122*CD	May 2011	001	00530	Total Suspended Solids	30D Qty	0.15	.18168	5/1/2011
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
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.7	8/1/2011
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.012	.05337	8/1/2011
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.018	.06813	8/1/2011
2PR00122*CD	August 2011	001	31648	E. coli	30D Conc	126	242.487	8/1/2011
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	6.	8/2/2011
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.018	.03861	8/15/2011
2PR00122*CD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	3.4	8/16/2011
2PR00122*CD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.9	10/1/2011
2PR00122*CD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.012	.03293	10/1/2011
2PR00122*CD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.018	.03293	10/1/2011
2PR00122*CD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	2.9	10/7/2011