



**Environmental
Protection Agency**

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

Re: Erie County
Kelleys Island
Island House
NPDES Permit

June 20, 2012

Mr. Jim Seba
21500 N.W. Highway, Suite 1102
Southfield, Michigan 48075

Dear Mr. Seba:

On May 22, 2012, an inspection was made of the sewerage facilities serving Kelleys Island House Restaurant. In general, both operation and maintenance were improved in preparation of the tourist season. At the time of my visit, all major mechanical components were in operation, and I was pleased to see new sand in both filters. The plant appeared lightly loaded and a turbid final effluent was observed in the contact tank, which is not unusual when sand filters are rebuilt.

Discharge monitoring reports from 2011 indicated compliance issues for the entire tourist season. Enclosed is a copy to review with your operator. Your National Pollutant Discharge Elimination System (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. Hopefully, the rebuilt sand filters will improve compliance this season.

Please inform this office in writing, within 14 days, as to what actions will be taken to prevent further violations. Failure to comply with effluent limitations may lead to escalated enforcement action.

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

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

Facility Name Island House NPDES Permit No. 2PR00078
 Expiration Date 12-31-15
 Facility Address 131 Division SE Date 5-22-12 Time 11:20 (am) (pm)
 City Kelleys Island County Erie Township -
 Name and Address of Owner _____
 Person Contacted Jessie Kranyack Owner Phone 298-640-4314
 Flow: Design 2000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 65 seat food service (actual - estimated) Weather at time of inspection: Temp 65° Overcast
 OEPA Personnel Rick Zuzik 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						Cloudy
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: L. Erie - Not Observed
via storm sewer

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 <input checked="" type="checkbox"/>	OUT _____
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	_____ U.V.

4. Yes No (2011)
 Compliance with NPDES Permit

Periodic Violations Y N Parameters: Bacteria
 Chronic Violations Ammonia

5. Adequate plant safety No fence around filters

6. Operation and Maintenance Service Name Eastern Environmental

7. log book Frequency of Visits Class A - 2x/wk

Facility Name: _____

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		Plant Timer ___Y___N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Dilute, soap suds Adequate Aeration: Y <input checked="" type="checkbox"/> N ___
Final Settling	1	Clarifier	Scum
	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	New sand
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	Turbid
	1	Chlorine Tube Feeder	IN
	1	Dechlorination Tube Feeder	IN
		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	<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
2PR00078*DD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.0	13.77	6/1/2011
2PR00078*DD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	13.77	6/1/2011
2PR00078*DD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.03909	6/1/2011
2PR00078*DD	June 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.022	.03909	6/1/2011
2PR00078*DD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.0	13.55	7/1/2011
2PR00078*DD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	13.55	7/1/2011
2PR00078*DD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.03847	7/1/2011
2PR00078*DD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.022	.03847	7/1/2011
2PR00078*DD	July 2011	001	31648	E. coli	7D Conc	284	3600.	7/15/2011
2PR00078*DD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.0	29.4	8/1/2011
2PR00078*DD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	32.1	8/1/2011
2PR00078*DD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.09112	8/1/2011
2PR00078*DD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.022	.09112	8/1/2011
2PR00078*DD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	26.7	8/15/2011
2PR00078*DD	August 2011	001	31648	E. coli	7D Conc	284	850.	8/15/2011
2PR00078*DD	September 2011	001	00530	Total Suspended Solids	30D Conc	12.0	13.	9/1/2011
2PR00078*DD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.0	32.5	9/1/2011
2PR00078*DD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	32.5	9/1/2011
2PR00078*DD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.09226	9/1/2011
2PR00078*DD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.022	.09226	9/1/2011
2PR00078*DD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.022	.02526	10/1/2011
2PR00078*DD	October 2011	001	31648	E. coli	30D Conc	126	300.	10/1/2011
2PR00078*DD	October 2011	001	31648	E. coli	7D Conc	284	300.	10/1/2011
2PR00078*DD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.0	8.9	10/1/2011
2PR00078*DD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3.0	8.9	10/1/2011
2PR00078*DD	October 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.02526	10/1/2011