



Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Erie County
Kelleys Island
Island House
NPDES Permit

October 4, 2010

Mr. Jessie Kranyak
PO Box 518
Kelleys Island, OH 43438

Dear Mr. Kranyak:

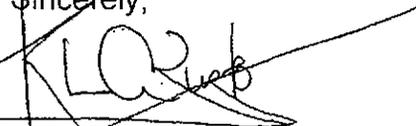
On September 21, 2010, an inspection was made of the sewerage facilities serving Kelleys Island House Restaurant. In general, both operation and maintenance need to be improved. At the time of my visit, all major mechanical components were in operation, however, settling in the clarifier was poor, both sand filters were ponded, and a turbid final effluent was observed in the contact tank.

Monthly discharge monitoring reports are being received and chronic violations were reported all summer long. A copy of the violations is enclosed to review with your operator. Plans need to be made to improve compliance next season.

Your NPDES permit draft renewal has been issued. You should review it carefully, as there is a 30 day comment period to respond to any permit conditions. Once issued as a final document, it will remain in effect for another five year period.

My inspection report is enclosed. 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

pc: Erie County Health Department
Eastwood Environmental

~~NWDO file/white~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. APR00078

Facility Name Island House Expiration Date Draft Renewal Issued
 Facility Address 131 Division St Date 9-21-10 Time 12³⁰ am (pm)
 City Kelleys Island County Erie Township -
 Name and Address of Owner Jim Sebo, P.O. Box 518, KI
 Person Contacted - Owner Phone (298) 640-4314
 Flow: Design 2000 GPD Present - GPD (metered - estimated)
 Trib. Pop. 65 seats/outdoor (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
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 - Not Observed

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	OUT
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Chlorination Tablets
 Dechlorination Tablets
 Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit
 Periodic Violations Y N Parameters: CBOD₅, TSS
 Chronic Violations Ammonia

5. Adequate plant safety No fence
 6. Operation and Maintenance Service Name Eastwood Env.

Frequency of Visits _____

Facility Name: Island House

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	1	Plant Timer <u> </u> Y <u> </u> N Motor / Blower Unit	Cycle Time:
Secondary Treatment	1	Aeration Tank	Color: Dilute Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	1	Clarifier	poor settling
	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	both ponded
		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)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	1	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

5/10 - 8-28/10



Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00078*CD	June 2010	001	00530	Total Suspended Solids	30D Conc	12	15.	6/1/2010
2PR00078*CD	June 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	7.435	6/1/2010
2PR00078*CD	June 2010	001	80082	CBOD 5 day	30D Conc	10	11.5	6/1/2010
2PR00078*CD	June 2010	001	00530	Total Suspended Solids	1D Conc	18	21.	6/2/2010
2PR00078*CD	June 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	9.42	6/2/2010
2PR00078*CD	June 2010	001	80082	CBOD 5 day	1D Conc	15	23.	6/2/2010
2PR00078*CD	June 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	5.45	6/16/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	27.25	7/1/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.05157	7/1/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	24.	7/6/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.022	.04542	7/6/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	30.5	7/20/2010
2PR00078*CD	July 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.022	.05772	7/20/2010
2PR00078*CD	August 2010	001	00530	Total Suspended Solids	30D Conc	12	25.	8/1/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	31.8	8/1/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.015	.06018	8/1/2010
2PR00078*CD	August 2010	001	80082	CBOD 5 day	30D Conc	10	13.	8/1/2010
2PR00078*CD	August 2010	001	00530	Total Suspended Solids	1D Conc	18	25.	8/3/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	31.9	8/3/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.022	.06037	8/3/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	31.7	8/17/2010
2PR00078*CD	August 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.022	.05999	8/17/2010
2PR00078*CD	June 2010	001	31648	E. coli			AK	6/2/2010
2PR00078*CD	August 2010	001	31648	E. coli			AK	8/3/2010

Get New
Data

Get Detail
for Selected
Permit

Facilities in Significant Non-Compliance **

Period: Mar-10 Aug-10

County	Permit #	Facility Name	Major	Station Code	Param Code	Parameter Name	Max % Exceed	# Months Signif Exceed (1)**	# Months Exceed (2)**
Erie	2PR00078	Kelleys Island House Restaurant		1	00610	Nitrogen, Ammonia (NH3)	1490	3	3

Footnotes

for Significant NonCompliance

** Significant non-compliance with effluent limits occurred if one or more pollutants met the following conditions:

1. During 2 or more months, the reported effluent concentration (or computed load) for a parameter exceeded an effluent limit by:
 - a. 40% for Group 1 pollutants **plus Fecal Coliform**
 - b. 20% for Group 2 pollutants **plus pH, Temperature, whole effluent toxicity**-- or --
2. During 4 or more months, the reported concentration (or computed load) exceeded the limit by > 1%.

Note: This method differs from USEPA Significant Non-compliance (SNC) method in the following ways:

- USEPA only evaluates SNC for average limits. In above analyses, maximum and weekly limits were also considered.