



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

Re: Erie County
Kelleys Island
Island Venture
NPDES Permit

October 15, 2012

Mr. Ray Bouman
Muirwood Village
101 Lands Rush
Sandusky, Ohio 44870

Dear Mr. Bouman:

On September 5, 2012, an inspection was made of the sewerage facilities serving the Island Venture resort. In general, both operation and maintenance were good. At the time of my visit, all major treatment components were in operation and a clear final effluent was observed being discharged from the plant. Pat, with Eastwood Environmental, was in the process of replacing one of the lift station grinder pumps. Chlorination and dechlorination tablets were present in the tube feeders. One of the surface sand filters was ponded.

National Pollutant Discharge Elimination System (NPDES) discharge monitoring reports are being received in a timely manner. A review of this year indicated chronic nitrogen, ammonia effluent violations this season. A copy of the violations is enclosed to review with your operator. I previously discussed the ammonia violation issue with Derrick Chennault, your operator, and he agreed to begin monitoring the impact of the laundry, and indicated that it may be necessary to feed Sodium Bicarbonate, a chemical to enhance ammonia removal. Please be aware that continued NPDES effluent violations may subject you to enforcement action from this agency.

Please have Mr. Chennault prepare and submit a written plan of action within 60 days with operational improvements that you intend to have in place next season in order to keep this facility in compliance.

Enclosed is my 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 150,000 GPD

NPDES Permit No. 2PR 00242

Facility Name Island Venture Resort Expiration Date 6-30-17
 Facility Location W. Lake Shore & Cameron Date 9-5-12 Time 2¹⁵ am/pm
 City Kelleys Island County Erie Township _____
 Name of Owner Ray Bouman Owner Phone (419) 706-0637
 Person Contacted Pat - Eastwood Operator of Record Eastwood Env.
 Flow: Design 5000 GPD WWTP Classification: A or I
 Trib. Pop. 31 unit motel w/ laundry (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	Turbidity	Odor	Color
<u>0</u>	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

<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Mild	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Serious
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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- N/A

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	
<u>✓</u>	_____	Chlorination Tablets
_____	_____	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

Yes No

4. ✓ Compliance with NPDES Permit - Time Period: 1-1-12 to 8-28-12

Periodic Violations Y N Parameters: _____

Chronic Violations ✓ Ammonia

5. ✓ O & M logbook kept and available on site: Location capped PVC pipe

6. ✓ Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)
 (Class I - 3 days per week for minimum 1.5 hours per week)

7. ✓ Adequate Plant Safety: Deficiencies _____

Facility Name: Island Venture

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	1	Flow Equalization	IN
Aeration Equipment	2	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: <u>Brown</u> Adequate Aeration <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Final Settling	1	Clarifier	
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<u>1 ponded</u>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<u>clear</u>
		Chlorine Tube Feeder	IN
		Dechlorination Tube Feeder	IN
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type) <u>Grinder</u>	<u>1 being replaced</u>
		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	<input checked="" type="checkbox"/>	Post Aeration	IN
		Spray Irrigation	
		Other	

Get New Data								
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00242*AD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	3.05	5/1/2012
2PR00242*AD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.019	.05204	5/1/2012
2PR00242*AD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	5.5	5/2/2012
2PR00242*AD	May 2012	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.0284	.05204	5/2/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	26.65	7/1/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.019	.25218	7/1/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	39.2	7/8/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.028	.37093	7/8/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	14.1	7/22/2012
2PR00242*BD	July 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.028	.13342	7/22/2012
2PR00242*BD	August 2012	001	00530	Total Suspended Solids	30D Conc	12.0	15.	8/1/2012
2PR00242*BD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.5	8/1/2012
2PR00242*BD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.5	8/1/2012
2PR00242*BD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.019	.04258	8/1/2012
2PR00242*BD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.028	.04258	8/1/2012
2PR00242*BD	August 2012	001	80082	CBOD 5 day	30D Conc	10.0	17.	8/1/2012
2PR00242*BD	August 2012	001	80082	CBOD 5 day	7D Conc	15.0	17.	8/1/2012