

Ohio

**Environmental
Protection Agency**

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

Re: Ottawa County
Erie Islands Resort & Marina
NPDES Permit

August 30, 2011

Mr. John Gronvall, CEO
Erie Island Resort & Marina
4495 West Darr-Hoppfinger Road
Port Clinton, Ohio 43452

Dear Mr. Gronvall:

On July 27, 2011, an inspection was made of the wastewater treatment plant serving Erie Islands Resort. At the time of my visit, final effluent was acceptable; however, plant piping improvements completed last year have not had the desired effect in improving plant NPDES permit compliance. I noted that the mixed liquor in the aeration tanks was nearly dark grey, indicating inadequate oxygen. Mr. Henry Biggert, your operator, was contacted and stated that the motor/blower starter units on the EQ pumps were experiencing electrical problems, and efforts to resolve the problem were being undertaken. I also noted that there were no feeder tubes in the disinfection units, as tablets were just placed in the bottom. Mr. Biggert informed me that new feeders were ordered.

NPDES permit monthly discharge monitoring reports are being received and a review indicates continued chronic ammonia violations along with some bacteria violations since my inspection last July. A summary of the violations is enclosed to review with Mr. Biggert. Steps must be taken to bring the plant into compliance.

I recommended to Mr. Biggert that an independent third party be contracted with to do a comprehensive evaluation of all major plant components in order to identify deficiencies. He indicated that Mack Industries has been contacted for this service. I am asking you to provide support as chronic NPDES permit violations will subject you to enforcement action from this Agency. Please notify me when the evaluation will be conducted and provide me a copy of the report upon completion.

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Lastly, your NPDES permit expires on November 30, 2011, and we have yet to receive the necessary renewal application forms. These should have been submitted no later than six months prior to expiration. Please submit the applicable forms and fees within 30 days of the date of this letter.

Please find enclosed a copy of our inspection report. If there are any errors, or 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: Ottawa County Health Department
Henry Biggert
File →

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2PS00008
 Facility Name Crie Islands Resort Expiration Date 11-30-11
 Facility Address 4495 W. Darr - Hopfinger Rd Date 7-27-11 Time 2³⁰ am (pm)
 City _____ County Ottawa Township Bay
 Name and Address of Owner John Gronvall, CEO
 Person Contacted none Owner Phone (330) 565-3163
 Flow: Design 107,500 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 85° Clear
 OEPA Personnel Pick Zurik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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: Portage River - 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 N/A

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
_____	_____
_____	_____
_____	_____

Chlorination Tablets
 Dechlorination Tablets
 U.V.

Yes No
 4. _____ Compliance with NPDES Permit

Periodic Violations Y N Parameters: Fecal coliform
 Chronic Violations Y N Ammonia

5. Adequate plant safety

6. Operation and Maintenance Service Name Henry Biggert

Frequency of Visits _____

Facility Name: Erie Islands Resort

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		Plant Timer ___Y___N	Cycle Time:
		Motor/ Blower Unit	
Secondary Treatment		Aeration Tank	Color: <u>Dark grey</u> Adequate Aeration: Y___N <u>✓</u>
Final Settling	1	Clarifier	<u>Water level elevated</u>
		Sludge Return	In <u>✓</u> Out
		Surface Skimmer	In Out
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
		Polishing Pond	
	1	Other <u>Rapid Sand Filter</u>	IN
Disinfection		Contact Tank	
	1	Chlorine Tube Feeder	<u>NO FEEDER TUBES</u>
	1	Dechlorination Tube Feeder	
		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	✓	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
2PS00008*DD	July 2010	601	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	26.95	7/1/2010
2PS00008*DD	July 2010	601	00610	Nitrogen, Ammonia (NH3	30D Qty	.041	.08505	7/1/2010
2PS00008*DD	July 2010	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	21.8	7/7/2010
2PS00008*DD	July 2010	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	32.1	7/21/2010
2PS00008*DD	August 2010	601	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	14.5	8/1/2010
2PS00008*DD	August 2010	601	00610	Nitrogen, Ammonia (NH3	30D Qty	.041	.72623	8/1/2010
2PS00008*DD	August 2010	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	18.4	8/4/2010
2PS00008*DD	August 2010	601	00610	Nitrogen, Ammonia (NH3	1D Qty	0.61	1.34413	8/4/2010
2PS00008*DD	August 2010	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	10.6	8/18/2010
2PS00008*DD	September 2010	601	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.095	9/1/2010
2PS00008*DD	September 2010	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	1.56	9/21/2010
2PS00008*DD	May 2011	601	00530	Total Suspended Solids	30D Conc	12	13.5	5/1/2011
2PS00008*DD	May 2011	601	31616	Fecal Coliform	30D Conc	1000	2107.08	5/1/2011
2PS00008*DD	May 2011	601	31616	Fecal Coliform	1D Conc	2000	10000.	5/4/2011
2PS00008*DD	May 2011	601	00530	Total Suspended Solids	1D Conc	18	23.	5/11/2011
2PS00008*DD	May 2011	601	00530	Total Suspended Solids	1D Conc	18	19.	5/19/2011
2PS00008*DD	May 2011	601	31616	Fecal Coliform	1D Conc	2000	2800.	5/19/2011
2PS00008*DD	June 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	5.25	6/1/2011
2PS00008*DD	June 2011	601	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	4.45333	6/1/2011
2PS00008*DD	June 2011	601	00610	Nitrogen, Ammonia (NH3	30D Qty	.041	.29034	6/1/2011
2PS00008*DD	June 2011	601	31616	Fecal Coliform	1D Conc	2000	7700.	6/1/2011
2PS00008*DD	June 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	3.75	6/16/2011
2PS00008*DD	June 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	4.36	6/27/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	7.02333	7/1/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	30D Qty	.041	.76081	7/1/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	4.98	7/6/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	2.69	7/14/2011
2PS00008*DD	July 2011	601	31616	Fecal Coliform	1D Conc	2000	2300.	7/14/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	13.4	7/20/2011
2PS00008*DD	July 2011	601	00610	Nitrogen, Ammonia (NH3	1D Qty	0.61	2.2012	7/20/2011