



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Ottawa County
Bird's Nest – S. Bass Island
NPDES Permit

October 22, 2007

Mr. Robert Wanenmacher, Owner
Bird's Nest Resort
P.O. Box 473
Put-in-Bay, Ohio 43456

Dear Mr. Wanenmacher:

On August 28, 2007, an inspection was made of the wastewater treatment facilities serving the Bird's Nest Resort. In general, both operation and maintenance of the plant appeared fair. Our comments and recommendations are as follows:

At the time of our visit, all treatment units were in operation and a slightly turbid final effluent was observed in the contact tank prior to discharge. The effluent weir had some solids buildup in it and needed to be cleaned, as well as the surface sand filters.

I would like to remind you of your NPDES Compliance Schedule requirement to provide dechlorination facilities by April 1, 2008. This coincides with the beginning of disinfection/ dechlorination season, which runs through October 31st. Please notify me when this is completed. A review of NPDES permit monthly operating reports since last summer indicates full compliance since April 1, 2005.

Enclosed is our completed inspection report. 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

/llr

Enclosure

pc: Eastwood Environmental
CDSW-NWDO File
Ottawa County Health Department

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00208

Facility Name Bird's Nest Resort Expiration Date 3-31-10

Facility Address 1371 Langram Rd Date 8-28-07 Time 1:45 am pm

City S. Bass Island County Ottawa Township Pot-in-bay

Name and Address of Owner Robert Wanenmacher, Owner, P.O. Box 473, PIB

Person Contacted none Owner Phone (919) 285-6119

Flow: Design 7000 GPD Present Unknown GPD (metered - estimated)

Trib. Pop. 12 motel, 5 cottages, 1 house (actual) - estimated Weather at time of inspection: Temp 80° Clear

OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream Name: Lake 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) Dechlorination required
 by 4-08

Disinfection: (Required May 1 thru Oct.31.)	
<input checked="" type="checkbox"/> IN	<input type="checkbox"/> OUT
<input type="checkbox"/>	Chlorination Tablets
<input type="checkbox"/>	Dechlorination Tablets <u>N/A</u>
<input type="checkbox"/>	U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Eastwood Environmental

Frequency of Visits _____

Facility Name: Bird's Nest

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency:
		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: <u>Dark Brown</u> Adequate Aeration: Y. <input checked="" type="checkbox"/> N. <input type="checkbox"/>
Final Settling	1	Clarifier	-weir needs cleaned -scum layer on surface
	1	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	needs cleaned and raked level
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	Difficult to access
		Dechlorination Tube Feeder	Required by 4-08
		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	