



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  
S. Bass Island  
S. Bass Island State Park  
NPDES Permit

August 28, 2009

Mr. Scott Doty, Park Manager  
South Bass Island State Park  
4049 East Moores Dock Road  
Port Clinton, Ohio 43452

Dear Mr. Doty:

On August 11, 2009, an inspection was made of the sewerage facilities serving the South Bass Island State Park. Mr. Stan Gephardt, your operator was also present and provided information on plant operations. At the time of my visit both operation and maintenance were good, however, the final effluent in the contact tank was turbid and exhibited a brown tint. Mr. Gephardt stated that the plant has also experienced recent elevated ammonia levels. This was confirmed in July's NPDES discharge monitoring report, which reported ammonia violations. A copy of the violations is enclosed for you to review with Mr. Gephardt. The brown tint of the final effluent should also be followed up on, as this is a violation of one of the general prohibitions on all discharges.

Your NPDES permit was recently renewed, effective August 1<sup>st</sup>, and will remain in effect for a full 5 years. Please note the 18 month schedule of compliance to transition to the new E.Coli bacteria standard for all Lake Erie dischargers. Also, the plant is now classified as a Class A facility under the new operator certification rules.

Please find enclosed our completed inspection report. If any of the above is in error, or you have any questions, please call me at (419) 373-3020 or email at [rick.zuzik@epa.state.oh.us](mailto:rick.zuzik@epa.state.oh.us).

Sincerely,

Richard A. Zuzik, MSE  
Division of Surface Water  
/csl

pc: Ottawa Co. HD  
DSW, NWDO file

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PP00045

Facility Name SBI State Park Expiration Date 7-31-14

Facility Address Catawba Ave Date 8-11-09 Time 1:00 am  pm

City SBI County Ottawa Township PIB

Name and Address of Owner ODNR

Person Contacted Stan Gephardt Owner Phone (419) 797-4530

Flow Design 20,000 GPD Present \_\_\_\_\_ GPD (metered - estimated)

Trib. Pop. 135 sites (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	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild	<input checked="" type="checkbox"/>	Slight			<input checked="" type="checkbox"/>	Med Brown
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: L. Erie

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	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	Med Brown
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 checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
	Chlorination Tablets
	Dechlorination Tablets
	Ultraviolet (U.V.)

Yes No

1/1/09 - 7/28/09

4. \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations  Y  N Parameters: Ammonia

Chronic Violations \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service

Name Stan Gephardt

Frequency of Visits 4/week

Facility Name: SBI State Park

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
	1	Bar Screen	
	1	Comminutor	IN
	1	Flow Equalization	IN Bi Carb added to raise pH
Aeration equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor / Blower Unit	
Secondary treatment	2	Aeration Tank	Color: <u>Brown</u> Adequate Aeration Y <input checked="" type="checkbox"/> N
	2	Clarifier	turbid
Final Settling	2	Sludge Return	In <input checked="" type="checkbox"/> Out
	2	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
		Surface Sand Filter	
Tertiary Treatment	2	Polishing Pond	
		Other	
Disinfection	1	Contact Tank	Brown Tint
	1	Chlorine Tube Feeder	IN
	1	Dechlorination Tube Feeder	IN
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	
		Recorder (continuous total)	
Impacts		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	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	



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center  
50 W. Town St., Suite 700  
Columbus, Ohio 43215

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www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

### Preliminary Compliance Report

Facility: South Bass Island State Park

Permit No.: 2PP00045\*BD

Report Period: June 2009

Date Received: 7/21/2009

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	6/1/2009	00610	Nitrogen, Ammonia (NH3)	Monthly Conc.	1.0	6.29
001	Limit	6/15/2009	00610	Nitrogen, Ammonia (NH3)	Weekly Conc.	1.5	6.29

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