



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Rd.  
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  
South Bass Island  
Fox's Den  
NPDES Permit

May 18, 2009

Mr. Richard Fox, Owner  
Fox's Den Campground  
P.O. Box 345  
Put-in-Bay, Ohio 43456

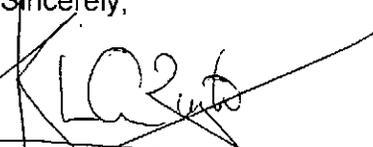
Dear Mr. Fox:

On May 5, 2009, an inspection was made of the wastewater treatment facilities serving Fox's Den Campground. In general, both operation and maintenance of the plant appeared fair. Our comments and recommendations are as follows:

At the time of my visit, all treatment units were in operation and a turbid final effluent was observed in the contact tank prior to discharge. The clarifier had a thick scum layer on the surface, which needs to be cleaned, and the surface sand filters were weeded. Fresh disinfection and dechlorination tablets need to be replaced in the tube feeders. These items should be addressed prior to the tourist season.

Enclosed is my 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](mailto:rick.zuzik@epa.state.oh.us)

Sincerely,



Richard A. Zuzik, MSE  
Division of Surface Water

/lb

Enclosure

pc: Eastwood Environmental  
~~DSW: NWDO\*File~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PRO0207

Facility Name Fox's Den Campground Expiration Date: 3-31-10  
 Facility Address Conlan Rd Date 5-5-09 Time 1140 (am) 1pm  
 City S. Bass Island County Ottawa Township Pot-m-Bay  
 Name and Address of Owner Ken Fox, P.O. Box 345, PIB  
 Person Contacted none Owner Phone (419) 285-2123  
 Flow: Design 5000 GPD Present \_\_\_\_\_ GPD (metered - estimated)  
 Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 65° Clear  
 OEPA Personnel Blak 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						Very light brown
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) \_\_\_\_\_

Disinfection: (Required May 1 thru Oct. 31)

IN	OUT	<i>(left over from last year)</i>
<input checked="" type="checkbox"/>	_____	Chlorination Tablets
<input checked="" type="checkbox"/>	_____	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

4.  Yes  No Compliance with NPDES Permit (last season)  
 Periodic Violations Y N Parameters: \_\_\_\_\_  
 Chronic Violations \_\_\_\_\_

5.  Adequate plant safety  
 6.  Operation and Maintenance Service  
 Name Castwood Environmental  
 Frequency of Visits 1/wk

Facility Name: Fox's Den

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	1	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: <i>Choc. Brown</i> Adequate Aeration <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Final Settling	1	Clarifier	<i>scum layer clear in weir</i>
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In Out <i>covered by scum</i>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>Weeded</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>turbid</i>
		Chlorine Tube Feeder	
		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	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	