



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: Erie County  
Kelleys Island Wine Co.  
NPDES Permit

August 19, 2008

Kirt and Robby Zettler, Owners  
Kelleys Island Wine Company  
418 Woodford Road  
Kelleys Island, Ohio 43438

Dear Mr. and Mrs. Zettler:

On July 31, 2008, an inspection was made of the wastewater treatment facilities serving the Kelleys Island Wine Company. At the time of my visit, all major components were in operation and a clear final effluent was observed being discharged from the plant. In general, both operation and maintenance appeared good. The surface sand filters were especially well kept, and there were disinfection and dechlorination tablets in the tube feeder. The fence was partially installed and should be completed before next season.

NPDES permit discharge monitoring reports are being received in a timely manner, however, some periodic violations were noted since last Fall. A list of violations is enclosed to review with your operator.

Enclosed is our 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

/llr

pc: Erie County Health Department  
Eastwood Environmental  
~~DSW=NWDO.File~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2P000214

Facility Name Kelleys Island Wine Co. Expiration Date 6-30-10

Facility Address 418 Woodford Rd. Date 7-31-08 Time 1:50 am  pm

City Kelleys Island County Erie Township -

Name and Address of Owner Kirt Zettler

Person Contacted NONE Owner Phone (419) 796-2678

Flow: Design 4000 GPD Present                      GPD (metered - estimated)

Trib. Pop. 100 seats + outdoor (actual ~~estimated~~) Weather at time of inspection: Temp 85° Clear

OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream Name: Lake Erie - not observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<input type="radio"/> 0	None	<input type="checkbox"/>	Clear	<input type="checkbox"/>	None	<input type="checkbox"/>	Colorless
<input type="radio"/> 1	Mild	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> 2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
<input type="radio"/> 3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> 4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	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 type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	Ultraviolet (U.V.)

Yes No

4.                       Compliance with NPDES Permit

Periodic Violations                       Y                      N Parameters: Ammonia, TSS, CBOD

Chronic Violations                     

5.                       Adequate plant safety fence partially built

6.                       Operation and Maintenance Service Name Eastwood Environmental

Frequency of Visits 1/wk

Facility Name: KI Wine Co.

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	/	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	1	Flow Equalization	
Aeration Equipment	.	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor / Blower Unit	
Secondary Treatment	/	Aeration Tank	Color: <i>Med. Brown</i> Adequate Aeration Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	/	Clarifier	<i>turbid</i>
	/	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	/	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>very clean</i>
		Polishing Pond	
		Other	
Disinfection	/	Contact Tank	
	/	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		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<i>IN</i>
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00214*AD	June 2008	001	00610	Nitrogen, Ammonia (NH 1D Conc		1.5	10.76	6/4/2008
2PR00214*AD	June 2008	001	00610	Nitrogen, Ammonia (NH 30D Conc		1.0	5.47	6/1/2008
2PR00214*AD	June 2008	001	00610	Nitrogen, Ammonia (NH 1D Qty		0.022	.04073	6/4/2008
2PR00214*AD	June 2008	001	00610	Nitrogen, Ammonia (NH 30D Qty		0.015	.0207	6/1/2008
2PR00214*AD	October 2007	001	00530	Total Suspended Solids 1D Conc		18	36.	10/17/2007
2PR00214*AD	October 2007	001	00530	Total Suspended Solids 30D Conc		12	36.	10/1/2007
2PR00214*AD	October 2007	001	80082	CBOD 5 day	1D Conc	15	66.	10/17/2007
2PR00214*AD	October 2007	001	80082	CBOD 5 day	30D Conc	10	66.	10/1/2007