



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

October 24, 2007

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

Dear Mr. and Mrs. Zettler:

On September 4, 2007, 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, however, there were no dechlorination tablets in the tube feeder. Disinfection season is May 1st through October 31st. You stated that the fence will be installed prior to next season.

NPDES permit monthly operating reports are being received in a timely manner, and indicated full compliance thus far in 2007. Periodic violations were noted in 2005-06. A list of violations is enclosed to review with your operator.

I appreciate your efforts in ensuring that proper operation and maintenance is being provided for this facility. 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.

Sincerely,

Richard A. Zuzik, MSE
Division of Surface Water

/lb

pc: Erie County Health Department
Eastwood Environmental

~~INWDO file~~

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00214

Facility Name KI Wine Co. Expiration Date 6-30-10
 Facility Address 418 Woodford Road Date 9-4-07 Time 1:40 am pm
 City Kelley's Island County Erie Township _____
 Name and Address of Owner Kirt Zettler - same address
 Person Contacted Kirt Zettler Owner Phone (419) 796-2628
 Flow: Design 4000 GPD Present unknown GPD (metered - estimated)
 Trib. Pop. 100 seats + outdoor (actual - estimated) Weather at time of inspection: Temp 95° 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						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Lake Erie - No discharge at time of visit

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.)	
<input checked="" type="checkbox"/> IN	<input type="checkbox"/> OUT
<input type="checkbox"/>	<input checked="" type="checkbox"/> Chlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/> Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/> U.V.

Yes No
 4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, Ammonia
 Chronic Violations _____

5. Adequate plant safety In Process of installing fence
 6. Operation and Maintenance Service Name Eastwood Environmental

Frequency of Visits _____

Facility Name: KI Wine Co.

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 - 2300 gal
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor/Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Med. Brown lightly loaded Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	turbid
	2	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	Well Kept
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	IN
	1	Chlorine Tube Feeder	IN
	1	Dechlorination Tube Feeder	IN
		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	<input checked="" type="checkbox"/>	Post Aeration	IN
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00214*AD	August 2005	001	00530	Total Suspended Solids	30D Conc	12	14.	8/1/2005
2PR00214*AD	August 2005	001	00530	Total Suspended Solids	30D Qty	0.18	.21196	8/1/2005
2PR00214*AD	August 2005	001	31648	E. coli	30D Conc	126	1200.	8/1/2005
2PR00214*AD	July 2005	001	00530	Total Suspended Solids	1D Conc	18	37.	7/20/2005
2PR00214*AD	July 2005	001	00530	Total Suspended Solids	30D Conc	12	37.	7/1/2005
2PR00214*AD	July 2005	001	00530	Total Suspended Solids	1D Qty	0.27	.56018	7/20/2005
2PR00214*AD	July 2005	001	00530	Total Suspended Solids	30D Qty	0.18	.56018	7/1/2005
2PR00214*AD	May 2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.16	5/1/2006
2PR00214*AD	May 2006	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.015	.01756	5/1/2006
2PR00214*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.4	7/1/2006
2PR00214*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.015	.0212	7/1/2006
2PR00214*AD	October 2006	001	00530	Total Suspended Solids	1D Conc	18	70.	10/18/2006
2PR00214*AD	October 2006	001	00530	Total Suspended Solids	30D Conc	12	70.	10/1/2006