



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Erie County
Kelleys Island Wine Company
NPDES Permit

June 20, 2012

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

Dear Mr. and Mrs. Zettler:

On May 22, 2012, an inspection was made of the wastewater treatment facilities serving the Kelleys Island Wine Company. At the time of my visit, all treatment components were in operation, and a very clear final effluent was observed in the chlorine contact tank.

In general, both operation and maintenance appeared good. The surface sand filters were well kept, and disinfection and dechlorination tablets were in place for the new season.

National Pollutant Discharge Elimination System (NPDES) permit discharge monitoring reports are being received and a review for the 2011 season indicated compliance except for periodic violations in August and September. Your NPDES permit now includes new operator certification rules that require visits two days/week for a minimum of one hour/week. Documentation in the form of a logbook must be kept on-site for Ohio EPA review.

I will be making additional visits during the summer season to observe the plant under midseason operating conditions. I appreciate your support and efforts in properly operating and maintaining your facility, and look forward to your continuing cooperation throughout the season. Enclosed is our inspection report. If you have any questions, please call me at (419) 373-3020, or email at rick.zuzik@epa.state.oh.us.

Sincerely,

Richard A. Zuzik, MSE
Division of Surface Water

/jlm

Enclosure

pc: Erie County Health Department

Eastwood Environmental

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

Facility Name KI Wine Co. NPDES Permit No. 2PR 00214
 Expiration Date 7-31-15
 Facility Address 418 Woodford Rd Date 5-22-14 Time 11:45 am/pm
 City Kelleys Island County Erie Township _____
 Name and Address of Owner Kirt Zettler
 Person Contacted Kirt Owner Phone (419) 746-2678
 Flow: Design 4000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 100 indoor/outdoor (actual - estimated) Weather at time of inspection: Temp 65° overcast
 OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No. - In Contact tank

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None		Clear		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: Drain Tile → L. 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 <input checked="" type="checkbox"/>	OUT _____
_____	Chlorination Tablets
_____	Dechlorination Tablets
_____	U.V.

Yes No (2011)
 4. Compliance with NPDES Permit

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

5. Adequate plant safety

6. Operation and Maintenance Service Name Eastwood Env.

7. logbook Frequency of Visits Class A - 2x/wk

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
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: <i>Dilute brown</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<i>good settling</i>
	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	<i>Well kept</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>clear</i>
	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	<i>OUT</i>
		Spray Irrigation	
		Other	