



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 Korteski, Director

Re: Erie County
K.I. Brewery
NPDES

November 1, 2007

Ms. Patty Johnson, Owner
K.I. Brewery
P.O. Box 427
Kelleys Island, Ohio 43438

Dear Ms. Johnson:

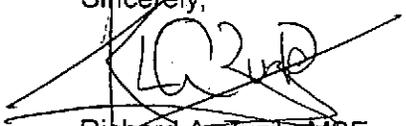
On September 4, 2007, an inspection was made of the wastewater treatment facilities serving the K.I. Brewery. At the time of my visit, all mechanical components were in operation and a clear final effluent was observed being discharged from the plant, however, both of the sand filters were in severe condition. Both were heavily deposited with solids and ponded. I was informed at a later date that the sand filters had been serviced.

NPDES monthly operating reports are being received in a timely manner, but continue to indicate chronic final effluent violations. I'm disappointed, as this is the second operating season in a row of chronic permit violations. Its obvious increased attention needs to be provided to this facility in order to bring it back into compliance. Please be aware that unaddressed chronic NPDES permit violations can lead to formal enforcement action from this agency.

A list of violations is enclosed to review with your operator Please notify me in writing within 30 days of your plans to improve maintenance and operate this plant in compliance next season. This permit expires May 31, 2008, and we have received your renewal application. A schedule of compliance may be included in the renewal requiring you to make improvements in order to comply with final effluent limitations.

Ensuring high quality wastewater discharges into Lake Erie is a high priority for Ohio EPA. Enclosed is a copy of our inspection report. If you have any questions, or feel a meeting is necessary, 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

/llr

pc: Erie County Health Department
Eastwood Environmental Inc.
DSW-NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 3PR00122

Facility Name KI Brewery Expiration Date 5-31-08

Facility Address E. Lakeshore and Cameron Date 7-9-08 Time 10:45 am / pm

City Kelleys Island County Erie Township -

Name and Address of Owner Highland Pub Box 427 KI 939

Person Contacted Pat Owner Phone 419-430-1300

Flow: Design 3160 GPD Present GPD (metered - estimated)

Trib. Pop. 76 xols/water (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		Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
<u>1</u>	Mild	<input checked="" type="checkbox"/>	Slight				
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.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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

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

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters:
 Chronic Violations Suspended Solids, Ammonia

5. Adequate plant safety filters found, plant not

6. Operation and Maintenance Service Name Environmental

Frequency of Visits

Facility Name: KI Brewery

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	/	Trash Trap	Pumping Frequency:
	/	Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	/	Flow Equalization	1500 gal
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y. <input type="checkbox"/> N	Cycle Time:
	/	Motor/ Blower Unit	
Secondary Treatment	/	Aeration Tank	Color: <i>Brown</i> Adequate Aeration: <input checked="" type="checkbox"/> Y. <input type="checkbox"/> N
Final Settling	/	Clarifier	<i>Clear at time of visit</i>
	/	Sludge Return	In <input checked="" type="checkbox"/> Out
	/	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>Severe condition</i> <i>Both black, septic, ponded w/ slurry</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	<input checked="" type="checkbox"/>	Municipal. POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit/Type	Limit	Reported Value	Violation Date
2PR00122*BD	September 2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.055	9/1/2006
2PR00122*BD	August 2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	8.07	8/1/2006
2PR00122*BD	August 2006	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	8.07	8/15/2006
2PR00122*BD	August 2006	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.012	.09163	8/1/2006
2PR00122*BD	August 2006	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.018	.09163	8/15/2006
2PR00122*BD	June 2007	001	00530	Total Suspended Solids	30D Conc	12	26.	6/1/2007
2PR00122*BD	June 2007	001	00530	Total Suspended Solids	7D Conc	18	26.	6/15/2007
2PR00122*BD	June 2007	001	00530	Total Suspended Solids	30D Qty	0.15	.29523	6/1/2007
2PR00122*BD	June 2007	001	00530	Total Suspended Solids	7D Qty	0.22	.29523	6/15/2007
2PR00122*BD	June 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	3.	6/1/2007
2PR00122*BD	June 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	3.	6/15/2007
2PR00122*BD	June 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.012	.03407	6/1/2007
2PR00122*BD	June 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.018	.03407	6/15/2007
2PR00122*BD	August 2007	001	00530	Total Suspended Solids	30D Conc	12	86.	8/1/2007
2PR00122*BD	August 2007	001	00530	Total Suspended Solids	7D Conc	18	86.	8/15/2007
2PR00122*BD	August 2007	001	00530	Total Suspended Solids	30D Qty	0.15	.97653	8/1/2007
2PR00122*BD	August 2007	001	00530	Total Suspended Solids	7D Qty	0.22	.97653	8/15/2007
2PR00122*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.07	7/1/2007
2PR00122*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.07	7/15/2007
2PR00122*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.012	.0235	7/1/2007
2PR00122*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.018	.0235	7/15/2007
2PR00122*BD	July 2007	001	31616	Fecal Coliform	30D Conc	1000	1500.	7/1/2007