



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Erie County
Kelleys Island State
Park Campground
NPDES Permit

October 4, 2010

Ms. Ina Brolis, Park Manager 6
Lake Erie Islands Office
East Island State Park
1169 N Buck Rd Road
Marblehead, OH 43440

Dear Ms. Brolis:

On September 21, 2010, an inspection was made of the wastewater treatment facilities serving the Kelleys Island State Park Campground. In general, both operation and maintenance appeared good. At the time of my visit, all major treatment components were in operation, however a slightly turbid final effluent was observed being discharged to the North Pond.

NPDES discharge monitoring reports are being received and numerous suspended solids violations have been reported this season. This is unusual for a new system and I was informed that the surface sand filter rock base may still be "washing off" solids, affecting the final effluent. I notified Ms. Tara Lee, ODNR Engineering Division who informed me that she would investigate and inform me of her findings. Enclosed is a copy of the violations to review with your operator.

The NPDES permit renewal was recently issued in draft form on August 26th. You should review it carefully, as there is a 30 day comment period to respond to any permit conditions. Once issued as a final document, it will remain in effect for another five year period. Please continue to operate under the current permit until such time the renewal becomes effective.

Enclosed is our completed 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

/lb

pc: Erie County Health Department

~~NWDO file~~

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PP00042
 Facility Name KI State Park Expiration Date Renewal Draft issued 8-20-10
 Facility Address Division St Date 9-21-10 Time 11:15 (am/pm)
 City Kelleys Island County Erie Township -
 Name and Address of Owner ODNR - Div. of Parks & Recreation
 Person Contacted Lee Tkach Owner Phone (419) 739-4424 x2
 Flow: Design 20,000 GPD Present GPD (metered - estimated)
 Trib. Pop. 129 sites (actual - estimated) Weather at time of inspection: Temp 80° Clear
 OEPA Personnel Rick Zuzik District NWDD

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream Name: North Pond

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
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Chlorination Tablets
 Dechlorination Tablets
 Ultraviolet (U.V.)

Yes No (5/10 - 8/10)

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, NH3

Chronic Violations

5. Adequate plant safety

6. Operation and Maintenance Service

Name Steve Myoski

Frequency of Visits 1/WK

Facility Name: KI State Park

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
	1	Bar Screen - Bypass	
	1	Comminutor	
	1	Flow Equalization	IN
Aeration Equipment		Plant Timer ___Y ___N	Cycle Time:
	2	Motor / Blower Unit	
Secondary Treatment	4	Aeration Tank	Color: Brown Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	2	Clarifier	good settling
	2	Sludge Return	In / Out
	2	Surface Skimmer	In / Out
		Fixed Media Clarifier	
Tertiary Treatment	4	Surface Sand Filter	OK. - Underdrain gravel base possibly washing off dirt, affecting final effluent
		Polishing Pond	
		Other	--
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	1	Ultraviolet (UV)	IN
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
	/	Land Application	
Advanced Treatment	/	Post Aeration / Samplings MH	170, turbid
		Spray Irrigation	
		Other	

May 1 - August 28

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PP00042*ED	May 2010	001	00530	Total Suspended Solids	30D Conc	12	164.	5/1/2010
2PP00042*ED	May 2010	001	00530	Total Suspended Solids	30D Qty	0.9	6.28685	5/1/2010
2PP00042*ED	May 2010	001	00530	Total Suspended Solids	7D Conc	18	164.	5/22/2010
2PP00042*ED	May 2010	001	00530	Total Suspended Solids	7D Qty	1.36	6.28685	5/22/2010
2PP00042*ED	June 2010	001	00530	Total Suspended Solids	30D Conc	12	262.	6/1/2010
2PP00042*ED	June 2010	001	00530	Total Suspended Solids	30D Qty	0.9	4.99207	6/1/2010
2PP00042*ED	June 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	4.86	6/1/2010
2PP00042*ED	June 2010	001	00530	Total Suspended Solids	7D Conc	18	262.	6/8/2010
2PP00042*ED	June 2010	001	00530	Total Suspended Solids	7D Qty	1.36	4.99207	6/8/2010
2PP00042*ED	June 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3	4.86	6/8/2010
2PP00042*ED	August 2010	001	00530	Total Suspended Solids	30D Conc	12	327.	8/1/2010
2PP00042*ED	August 2010	001	00530	Total Suspended Solids	7D Conc	18	327.	8/1/2010
2PP00042*ED	August 2010	001	00530	Total Suspended Solids	30D Qty	0.9	34.4722	8/1/2010
2PP00042*ED	August 2010	001	00530	Total Suspended Solids	7D Qty	1.36	34.4722	8/1/2010
2PP00042*ED	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	2.34	8/1/2010
2PP00042*ED	August 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.15	.24668	8/1/2010
2PP00042*ED	August 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.22	.24668	8/1/2010
2PP00042*ED	May 2010	001	50060	Fecal Coliform	1/2Weeks	1	0	05/01/2010
2PP00042*ED	May 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	05/15/2010
2PP00042*ED	May 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	05/15/2010
2PP00042*ED	June 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	06/01/2010
2PP00042*ED	June 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	06/15/2010
2PP00042*ED	June 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	06/15/2010
2PP00042*ED	July 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	07/01/2010
2PP00042*ED	July 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	07/15/2010
2PP00042*ED	July 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	07/15/2010
2PP00042*ED	August 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	08/01/2010
2PP00042*ED	August 2010	001	50060	Chlorine, Total Residu	1/2Weeks	1	0	08/15/2010

INVALID VIOLATIONS