



**Environmental
Protection Agency**

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

Re: Erie County
Kelleys Island State Park Campground
NPDES Permit

June 20, 2012

Mr. John Hunter, Acting Chief
Ohio Department of Natural Resources
Division of Parks and Recreation
2045 Morse Road, Building C-3
Columbus, Ohio 43229

Dear Mr. Hunter:

On May 22, 2012, an inspection was made of the wastewater treatment facilities serving the Kelleys Island State Park Campground. In general, both operation and maintenance appeared very good. At the time of my visit, all major treatment components were in operation and a very clear final effluent was observed being discharged to the North Pond.

National Pollutant Discharge Elimination System (NPDES) permit discharge monitoring reports are being received and a review of last year's data indicated periodic bacteria violations last season. The ultraviolet light disinfection system should be inspected monthly, and the bulbs cleaned if necessary. If allowed to build up, the accumulation of algae and/or scum on the bulbs reduces their effectiveness to kill bacteria.

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 was informed that Ken Griffith is the new Operator of Record, taking the place of Stan Gephardt.

I will be making additional visits during the summer season to observe the plant under midseason operating conditions. Enclosed is our completed inspection report. If you have any questions, please email me at rick.zuzik@epa.state.oh.us or call me at (419) 373-3020.

Sincerely,

Richard A. Zuzik, MSE
Division of Surface Water

/jlm

Enclosure

pc: ODNR- Lake Erie Islands Office
Erie County Health Department
ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

Facility Name KI State Park NPDES Permit No. 2PP00042
 Expiration Date 11-30-15
 Facility Address Division St Date 5-22-12 Time 12⁰⁰ am pm
 City Kelkys Island County Erie Township -
 Name and Address of Owner ODNR - Div. of Parks & Rec
 Person Contacted Lee Tkach Owner Phone (419) 746-2596
 Flow: Design 20,000 GPD Present GPD (metered - estimated)
 Trib. Pop. 129 sites (actual - estimated) Weather at time of inspection: Temp 65° overcast
 OEPA Personnel Bick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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: N. Pond

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	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
 U.V.

Yes No (2011)

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: Bacteria
 Chronic Violations

5. Adequate plant safety

6. Operation and Maintenance Service

Name Ken Griffith - ODNR (614) 203-9945

Frequency of Visits Class A - 2x/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	
	1	Comminutor	IN
	1	Flow Equalization	IN
Aeration Equipment		Plant Timer ___Y___N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	4	Aeration Tank	Color: <i>Brown Dilute</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N ___
Final Settling	2	Clarifier	<i>good settling</i>
	2	Sludge Return	In / Out
	2	Surface Skimmer	In / Out
		Fixed Media Clarifier	
Tertiary Treatment	4	Surface Sand Filter	<i>Well Kept</i>
		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)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	✓	Post Aeration	IN
		Spray Irrigation	
		Other	