



Environmental
Protection Agency

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

Re: Erie County
Kelleys Island
Camp Patmos
NPDES Permit

August 2, 2011

Mr. Tim Richardson, Executive Director
Camp Patmos
920 Monagan Road
Kelleys Island, Ohio 43438

Dear Mr. Richardson:

On July 14, 2011, an inspection was made of the wastewater treatment facilities serving Camp Patmos. At the time of my visit all major treatment components were in operation, however, the plant was on the verge of going septic due to inadequate oxygen supply. I notified Mr. Darryl Young, operator, of the plant's condition and he also informed me that excessive solids have built up causing operational problems.

Your NPDES permit was recently renewed, effective January 1st, and contained a condition providing four months to post a sign at the outfall pipe, as a form of public notification. Please refer to Part II, Item E. of the permit for signage details.

Please notify me of pending corrective actions to improve operations at the plant. I will be making a follow up inspection in the near future. 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

/cs

Enclosure

pc: Erie County Health Department
DSW, NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

Facility Name Camp Patmos NPDES Permit No. 2PR00088
 Expiration Date 12-31-15
 Facility Address 900 Monogan Date 7-14-11 Time 1130 (am) (pm)
 City Kelleys Island County Erie Township _____
 Name and Address of Owner Tim Richardson, Exec. Dir.
 Person Contacted Josh, Maintenance Owner Phone (919) 746-2214
 Flow: Design 20,000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 400± (actual - estimated) Weather at time of inspection: Temp 85° 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		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: 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	OUT
_____	_____
_____	_____
_____	_____

Chlorination Tablets
 Dechlorination Tablets
 U.V.

Yes No

Not Reviewed

4. _____ Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____

Chronic Violations _____

5. ✓ Adequate plant safety

6. ✓ Operation and Maintenance Service

Name Tom McNeil / Darryl Young

Frequency of Visits _____

Facility Name: Camp Ramos

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 ___Y___N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	2	Aeration Tank	Color: <i>grey/black</i> Adequate Aeration: Y ___ N <input checked="" type="checkbox"/>
Final Settling	1	Clarifier	<i>turbid grey</i>
	2	Sludge Return	In <input checked="" type="checkbox"/> Out
	2	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>better</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)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	