

Parameter	Quantity or Loading		Quality or Concentration	
	Monthly Average	Weekly Average	Monthly Average	Weekly Average
<b>CBOD5</b>				
Summer	41.7 lbs/day	62.6 lbs/day	5 mg/l	7.5 mg/l
Winter	125.2 lbs/day	187.8 lbs/day	15 mg/l	22.5 mg/l
<b>Total Suspended Solids (TSS)</b>				
Summer	41.7 lbs/day	62.6 lbs/day	5 mg/l	7.5 mg/l
Winter	125.2 lbs/day	187.8 lbs/day	15 mg/l	22.5 mg/l
<b>Phosphorus</b>			1.0 mg/l	
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Parameter	Daily Minimum	Monthly Average	Daily Maximum	
<b>pH</b>	6 s.u.		9 s.u.	
<b>Dissolved Oxygen (DO)</b>				
Summer	6.5 mg/l			
Winter	7.0 mg/l			
<b>E. coli</b>		125 colonies per 100 ml	235 colonies per 100 ml	

Parameter	Quantity or Loading		Quality or Concentration	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
<b>Ammonia-nitrogen</b>				
summer	6.5 lbs/day	15.0 lbs/day	0.78 mg/l	1.8 mg/l
winter	6.9 lbs/day	15.9 lbs/day	0.83 mg/l	1.9 mg/l
<b>Influent Mercury</b>				
		Report		
<b>Effluent Mercury</b>				
	0.000011 lbs/day	0.000027 lbs/day	1.3 ng/l	3.2 ng/l

**CBOD5:** is the five-day Carbonaceous Biochemical Oxygen Demand. CBOD5 is a method defined test measured by the depletion of dissolved oxygen by biological organisms in a body of water. CBOD is a method defined parameter widely used as an indication of the pollutant removal from wastewater.

**TSS:** is Total Suspended Solids is a water quality measurement for the amount of suspended solids in a sample

**E.coli:** is Escherichia coli bacteria used as indicator organisms to test the effectiveness of effluent disinfection in a wastewater treatment plant

**Phosphorus:** is one of the major nutrients contributing in the increased eutrophication of lakes and natural waters.

**pH:** is the degree of acidity or alkalinity of a solution

**Ammonia-Nitrogen:** Nitrogen is a nutrient and occurs in many forms including ammonia, organic nitrate and nitrite each of which may be tested for in a variety of ways.

The Steuben Lakes Regional Waste District consistently meets or exceeds the parameters listed above as indicated from the example below of **actual clean water discharge data from July 2010.**

July 2010 Parameter	Quantity or Loading		Quality or Concentration	
	Monthly Average	Weekly Average	Monthly Average	Weekly Average
<b>CBOD5</b>				
July 2010	7.5 lbs/day	10.2 lbs/day	2.2 mg/l	2.7 mg/l
<b>Total Suspended Solids (TSS)</b>				
July 2010	7.5 lbs/day	10.2 lbs/day	2.2 mg/l	2.7 mg/l
<b>Phosphorus</b>				
0.65 mg/l				
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Parameter	Daily Minimum	Monthly Average	Daily Maximum	
<b>pH</b>	7.6 s.u.		7.8 s.u.	
<b>Dissolved Oxygen (DO)</b>				
July 2010	6.9 mg/l			
<b>E. coli</b>				
		2.0 colonies per 100 ml	10.7 colonies per 100 ml	
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Parameter	Quantity or Loading		Quality or Concentration	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
<b>Ammonia-nitrogen</b>				
July 2010	0.43 lbs/day	2.2 lbs/day	0.12 mg/l	0.26 mg/l
<b>Influent Mercury</b>				
		Report		
<b>Effluent Mercury</b>				
	0.0000024 lbs/day	0.0000024 lbs/day	<0.5 ng/l	<0.5 ng/l