

**Southerly Wastewater Treatment Plant**  
**NPDES Discharge Permit Parameters**

Parameter	Limits	
	30 day	7 day
CBOD (5) - Summer	10 mg/l	15 mg/l
CBOD (5) - Winter	16 mg/l	24 mg/l
Total Suspended Solids	16 mg/l	24 mg/l
Total Phosphorous	1.0 mg/l	1.5 mg/l
Fecal Coliform (colonies per 100ml) (May 1 - October 31)	1000	2000
Chlorine Residual	0.021 mg/l maximum	
pH (S.U.)	Between 6.5 and 9.0	
Dissolved Oxygen	5.0 mg/l minimum	
NH 3 - N (Ammonia):		
Summer	1.7 mg/l	2.6 mg/l
Nov., Mar., Apr.	5.0 mg/l	7.5 mg/l
Dec., Jan., Feb.	8.0 mg/l	12.0 mg/l

**NPDES:** National Pollutant Discharge Elimination System. The NPDES permit is issued by the Ohio Environmental Protection Agency. It establishes limits on the amount of pollutants that can be discharged from wastewater treatment plants to receiving waters (such as Cuyahoga River). This permit also requires the monitoring of the plant effluent to determine compliance with effluent pollutant limitations.

**CBOD (5):** Carbonaceous Biological Oxygen Demand (5-day test)

**30-day:** thirty-day average measurement

**7-day:** seven-day average measurement

**mg/l:** milligrams per liter

**Fecal Coliform:** calculated on a geometric mean basis

**S.U.:** standard units