

**Discharge Limitations  
Bowling Green Municipal Utilities – Water Recovery Facility**

Parameter	Daily Max.	Units
<b>Local Limits</b>		
Arsenic	0.46	mg/l
Cadmium	0.04	mg/l
Chloride	1,600	mg/l
Chromium (Total)	2.77	mg/l
Chromium VI (Hex)	0.84	mg/l
Copper	0.73	mg/l
Cyanide (Total)	0.16	mg/l
Lead	0.16	mg/l
Mercury	0.001	mg/l
Nickel	1.43	mg/l
Selenium	0.292	mg/l
Silver	0.62	mg/l
Sulfide	5	mg/l
Zinc	2.08	mg/l
<b>SUO Limits</b>		
Hydrocarbon Oil & Grease	50	mg/l
Total Oil & Grease	390	mg/l
pH	6-11	S.U.
Temperature	40	degrees C
Total Toxic Organics (TTO)	2.13	mg/l
<b>Upper Limits</b>		
Biochemical Oxygen Demand (BOD <sub>5</sub> )	4,000	mg/l
Chemical Oxygen Demand (COD)	10,000	mg/l
Total Suspended Solids (TSS)	7,000	mg/l
Ammonia Nitrogen	56	mg/l
Total Phosphorus	57	mg/l

<b>Surcharge Thresholds</b>		
BOD <sub>5</sub>	300	mg/l
COD	450	mg/l
TSS	300	mg/l
Non-hydrocarbon Oil & Grease	50	mg/l
Ammonia Nitrogen	25	mg/l
Total Phosphorus	10	mg/l

Surcharge Formula:

$$(Avg. Pollutant Conc., mg/l) \times (Flow, MGD) \times (8.34 lb/gal) =$$

*Pollutant Discharged, lbs.*

$$(Pollutant Discharged, lbs.) \times (Surcharge Rate/lb.) =$$

*Total Surcharge Amount*

Surcharges are based upon the average of the analysis of samples and calculated each calendar month.

Please contact the Industrial Pretreatment Office at 270-782-4316 if you have any questions.