

Discharge Limitations
Bowling Green Municipal Utilities – Water Recovery Facility
Effective 6-1-2026

Parameter	Daily Max.	Units
Local Limits		
Arsenic	0.63	mg/l
Cadmium	0.02	mg/l
Chloride	3,522	mg/l
Chromium (Total)	4.18	mg/l
Chromium VI (Hex)	See permit*	
Copper	0.68	mg/l
Cyanide (Total)	See permit*	
Lead	0.08	mg/l
Mercury	0.0069	mg/l
Nickel	See permit*	
Selenium	0.06	mg/l
Silver	0.21	mg/l
Sulfide	5.0	mg/l
Zinc	See permit*	
Biochemical Oxygen Demand (BOD ₅)	2,697	mg/l
Chemical Oxygen Demand (COD)	7,551	mg/l
Total Suspended Solids (TSS)	5,687	mg/l
Ammonia Nitrogen	53	mg/l
Total Phosphorus	41	mg/l
SUO Limits		
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

Surcharge Thresholds		
BOD ₅	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:

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

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.

Surcharge Rates	
BOD ₅ or COD (highest, not both)	\$.32/lb
TSS	\$.17/lb
Non-hydrocarbon Oil & Grease	\$.36/lb
Ammonia Nitrogen	\$.21/lb
Total Phosphorus	\$.80/lb

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

* These parameters are calculated on a mass proportion basis.