

BCDES Surcharge Schedule (2005 Rates)

Contaminant	Allowable Concentration mg/l	High Strength Waste		Very High Strength Waste	
		Surcharge \$/LB	Waste Strength mg/L	Surcharge \$/LB	Waste Strength mg/L
BOD ¹	200	0.16	200 – 400	0.26	> 400
COD ¹	500	0.16	500 – 1000	0.26	> 1000
TSS	200	0.09	200 – 400	0.26	> 400
Ammonia	20	0.89	20 – 40	4.29	> 40
Oil & Grease	50	0.59	50 – 100	1.72	> 100

¹ – Surcharge for BOD/COD is based on the greater of the two calculated surcharges, not both

CONVENTIONAL SURCHARGE
Example: Industry X

Surcharge = (mg/l-allowable mg/l) * 8.34*
MG*surchage/Lb

Total Sewer Flow – 18.636 MG
BOD - 355 mg/l;
COD – 638 mg/l
TSS – 99 mg/l

BOD surcharge = (355-200)*8.34*18.636*\$0.16
= \$3,854.52
COD surcharge = (638-500)*8.34*18.636*\$0.16
= \$3,431.76
TSS surcharge = (99-200)*8.34*18.636*\$0.09
= \$0.00

Total conventional pollutant surcharge =
\$3,854.52

CONVENTIONAL SURCHARGE
Example: Industry Y

Total Sewer Flow – 3.77528 MG
BOD – 1075 mg/l
COD – 1620 mg/l
TSS – 33 mg/l

BOD surcharge = (1075-
200)*8.34*3.77528*\$0.26 = \$7,163.02
COD surcharge = (1620-
500)*8.34*3.77528*\$0.26 = \$9,168.67
TSS surcharge = (33-200)*8.34*3.77528*\$0.09
= \$0.00

Total conventional surcharge = \$9,168.67

SURCHARGE CREDIT
Example: Industry X

Total Sewer Flow – 18.636 MG
BOD - 355 mg/l;
COD – 638 mg/l
TSS – 99 mg/l

BOD surcharge = (355-200)*8.34*18.636*\$0.16
= \$3,854.52
COD surcharge = (638-500)*8.34*18.636*\$0.16
= \$3,431.76
TSS surcharge **credit** = (160-
99)*8.34*18.636*\$0.09 = **\$853.27**

Total conventional pollutant surcharge =
\$3,854.52-**\$853.27**= \$3,001.25

CONVENTIONAL SURCHARGE
Example: Industry Y

Total Sewer Flow – 3.77528 MG
BOD – 1075 mg/l
COD – 1620 mg/l
TSS – 33 mg/l

BOD surcharge = (1075-
200)*8.34*3.77528*\$0.26 = \$7,163.02
COD surcharge = (1620-
500)*8.34*3.77528*\$0.26 = \$9,168.67
TSS surcharge **credit** = (160-
33)*8.34*3.77528*\$0.09 = **\$357.74**

Total conventional surcharge = \$9,168.67-
\$357.74 = \$8,810.93