

Appendix C-4

Metro SPDES limit violations 2013 ¹

SPDES Permit Parameter	SPDES Limit	Number of Violations
Flow (12-month rolling average)	84.2 MGD	0
CBOD ₅ (30-day average concentration)	21 mg/l	0
CBOD ₅ (30-day average load)	14,747 lbs/day	0
CBOD ₅ (7-day average concentration)	31.5 mg/l	0
CBOD ₅ (7-day average load)	22,120 lbs/day	0
CBOD ₅ Percent Removal	85%	0
Suspended Solids (30-day average concentration)	30 mg/l	0
Suspended Solids (30-day average load)	21,067 lbs/day	0
Suspended Solids (7-day average concentration)	45 mg/l	0
Suspended Solids (7-day average load)	31,600lbs/day	0
Suspended Solids Percent Removal	85%	0
Fecal coliform bacteria (30-day average)	200 cfu/100 ml	0
Fecal coliform bacteria (7-day average)	400 cfu/100 ml	0
pH	6.0-9.0 SU	0
Settleable Solids	0.3 ml/l	0
Ammonia-N (as NH ₃) (30-day average concentration)	1.2 mg/l; 2.4 mg/l	0
Total Phosphorus (12-month rolling average)	0.10 mg/l	0
Cyanide, Total (daily maximum)	7.3 lbs/day	2
Mercury, Total Recoverable (daily average)	50 ng/l	0
Phenols, Total (daily average)	9.7 lbs/day	5
Bypass (Outfall 002) Chlorine Residual	0.1 mg/l	1
Bypass (Outfall 002) settleable solids	0.8 ml/l	4
Total (Outfalls 001 and 002)		12

Notes:

¹ Violations are based on permit effluent limits. As in previous years, the County does not consider values required to be reported with a greater than symbol (“>”) as violations when the greater than symbol “>” is incurred because of a missed sample due to an auto-sampler malfunction.

Metro SPDES Action Level limit exceedances 2012 ¹

SPDES Permit Parameter	SPDES Limit	Number of Exceedances
Chromium, Total Recoverable	16 lbs/day	0
Nickel, Total Recoverable	28 lbs/day	0
Copper, Total Recoverable	17.6 lbs/day	0
Zinc, Total Recoverable	33 lbs/day	0
Tetrachloroethene	1.1 lbs/day	0
Cadmium, Total Recoverable	3.1 lbs/day	0
Iron, Total Recoverable	5260 lbs/day	0
Lead, Total Recoverable	3 lbs/day	0
Chloroform	0.91lbs/day	1
Methylene Chloride	0.86 lbs/day	0
Butyl Benzyl Phthalate	3 lbs/day	0
Whole Effluent Toxicity –Chronic Invertebrate ²	2.0 TUc	1
Whole Effluent Toxicity – Chronic Vertebrate ²	2.0 TUc	0
Total (Outfalls 001)		2

Notes:

¹ Exceedances are based on permit action level effluent limits. As in previous years, the County does not consider values required to be reported with a greater than symbol (“>”) as exceedances when the greater than symbol “>” is incurred because of a missed sample due to an auto-sampler malfunction.

²According to the permit issued March 21, 2012 - whole effluent toxicity testing was performed for the second through fourth quarter of 2012 and first quarter of 2013.