

APPENDIX IV
TOTAL RECOVERABLE METALS LIMITATIONS (ug/L) AT SELECTED DILUTION
RANGES AND TECHNOLOGY BASED CEILING LIMITATIONS FOR
FACILITIES LOCATED IN MASSACHUSETTS
(for discharges to freshwater at H = 50 mg/L CaCO₃)¹

PARAMETER	DILUTION RANGE CONCENTRATION					
	0 - 5	5 -10	10 - 50	50 - 100	>100	CEILING VALUE
1. Antimony	5.6	30	60	141	141	141 ²
2. Arsenic	10	50	100	500	540	540 ³
3. Cadmium	0.2	1.0	2.0	10.0	20.0	260
4. Chromium ^{III} (Trivalent)	48.8	244	489	1,710	1,710	1,710
5. Chromium ^{VI} (Hexavalent)	11.4	57	114	570	1,140	1,710 ⁴
6. Copper	5.2	26	52	260	520	2,070
7. Lead	1.3	6.5	13	66	132	430
8. Mercury	0.9	2.3	2.3	2.3	2.3	2.3 ⁵
9. Nickel	29.0	145	290	1,451	2,380	2,380
10. Selenium	5.0	25	50	250	408	408 ⁶
11. Silver	1.2	6	12	57	115	240
12. Zinc	66.6	333	666	1,480	1,480	1,480
13. Iron	1,000	5,000	5,000	5,000	5,000	5,000

1. Based on 7Q10 Flow.

2. Based on 40 CFR 437.42, "The Centralized Waste Treatment Point Source Category - Subpart D - Multiple Wastestreams - Best Practicable Control Technology" (BPT) daily maximum for Antimony

3. Based on 40 CFR 445.11, "RCRA Subtitle C Landfill Best Practicable Control Technology" (BPT) for Arsenic.

4. Assumes Hexavalent Chromium reduced to Tri-valent Chromium in treatment.

5. Based on 40 CFR 437.42, "The Centralized Waste Treatment Point Source Category - Subpart D - Multiple Wastestreams - Best Practicable Control Technology" (BPT) daily maximum for Mercury

6. Based on 40 CFR 437.42, "The Centralized Waste Treatment Point Source Category - Subpart D - Multiple Wastestreams - Best Practicable Control Technology" (BPT) daily maximum for Selenium

