

APPENDIX A-2

NATIONAL PRIMARY DRINKING WATER STANDARDS

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Contaminants	MCLG ¹ (mg/L) ⁴	MCL ² or TT ³ (mg/L) ⁴
Inorganic Chemicals		
Antimony	0.006	0.006
Arsenic	none ⁵	0.01
Asbestos (fiber > 10 micrometers)	7 million fibers per Liter	7 MFL
Barium	2	2
Beryllium	0.004	0.004
Cadmium	0.005	0.005
Chromium (total)	0.1	0.1
Copper	1.3	Action Level= 1.3; TT ⁶
Cyanide (as free cyanide)	0.2	0.2
Fluoride	4.0	4.0
Lead	zero	Action Level= 0.015; TT ⁶
Inorganic Mercury	0.002	0.002
Nitrate (measured as Nitrogen)	10	10
Nitrite (measured as Nitrogen)	1	1
Selenium	0.05	0.05
Thallium	0.0005	0.002
Organic Chemicals		
Acrylamide	zero	1 mg/L equivalent TT ⁷
Alachlor	zero	0.002
Atrazine	0.003	0.003
Benzene	zero	0.005
Benzo[<i>a</i>]pyrene	zero	0.0002
Carbofuran	0.04	0.04
Carbon Tetrachloride	zero	0.005
Chlordane	zero	0.002
Chlorobenzene	0.1	0.1
Chlorine	4.0 MRDLG ⁸	4.0 MRDL ⁸
2,4-D	0.07	0.07
Dalapon	0.2	0.2
1,2-Dibromo-3-chloropropane (DBCP)	zero	0.0002
<i>o</i> -Dichlorobenzene	0.6	0.6
<i>p</i> -Dichlorobenzene	0.075	0.075
1,2-Dichloroethane	zero	0.005
1-1-Dichloroethylene	0.007	0.007
<i>cis</i> -1, 2-Dichloroethylene	0.07	0.07
<i>trans</i> -1,2-Dichloroethylene	0.1	0.1
Dichloromethane	zero	0.005
1-2-Dichloropropane	zero	0.005
Di(2-ethylhexyl)adipate	0.4	0.4
Di(2-ethylhexyl)phthalate	zero	0.006
Dinoseb	0.007	0.007
Dioxin (2,3,7,8-TCDD)	zero	0.00000003
Diquat	0.02	0.02
Endothall	0.1	0.1
Endrin	0.002	0.002

NATIONAL PRIMARY DRINKING WATER STANDARDS (CONTINUED)

Contaminants	MCLG ¹ (mg/L) ⁴	MCL ² or TT ³ (mg/L) ⁴
Epichlorohydrin	zero	20 mg/L equivalent TT ⁷
Ethylbenzene	0.7	0.7
Ethylene Dibromide	zero	0.00005
Glyphosate	0.7	0.7
Heptachlor	zero	0.0004
Heptachlor Epoxide	zero	0.0002
Hexachlorobenzene	zero	0.001
Hexachlorocyclopentadiene	0.05	0.05
Lindane	0.0002	0.0002
Methoxychlor	0.04	0.04
Oxamyl (Vydate)	0.2	0.2
Polychlorinated biphenyls (PCBs)	zero	0.0005
Pentachlorophenol	zero	0.001
Picloram	0.5	0.5
Simazine	0.004	0.004
Styrene	0.1	0.1
Tetrachloroethylene	zero	0.005
Toluene	1	1
Total Trihalomethanes (TTHMs) including: Bromodichloromethane Bromoform Chloroform Dibromochloromethane	none ⁵	0.08
Toxaphene	zero	0.003
2,4,5-TP (Silvex)	0.05	0.05
1,2,4-Trichlorobenzene	0.07	0.07
1,1,1-Trichloroethane	0.20	0.2
1,1,2-Trichloroethane	0.003	0.005
Trichloroethylene	zero	0.005
Vinyl Chloride	zero	0.002
Xylenes (total)	10	10

Notes

¹ Maximum Contaminant Level Goal (MCLG) - The maximum level of a contaminant in drinking water at which no known or anticipated adverse effect on the health effect of persons would occur, and which allows for an adequate margin of safety. MCLGs are non-enforceable public health goals.

² Maximum Contaminant Level (MCL) - The maximum permissible level of a contaminant in water which is delivered to any user of a public water system. MCLs are enforceable standards. The margins of safety in MCLGs ensure that exceeding the MCL slightly does not pose significant risk to public health.

³ Treatment Technique - An enforceable procedure or level of technical performance which public water systems must follow to ensure control of a contaminant.

⁴ Units are in milligrams per Liter (mg/L) unless otherwise noted.

⁵ MCLGs were not established before the 1986 Amendments to the Safe Drinking Water Act. Therefore, there is no MCLG for this contaminant.

⁶ Lead and copper are regulated in a Treatment Technique which requires systems to take tap water samples at sites with lead pipes or copper pipes that have lead solder and/or are served by lead service lines. The action level, which triggers water systems into taking treatment steps if exceeded in more than 10% of tap water samples, for copper is 1.3 mg/L, and for lead is 0.015mg/L.

⁷ Each water system must certify, in writing, to the state (using third-party or manufacturer's certification) that when acrylamide and epichlorohydrin are used in drinking water systems, the combination (or product) of dose and monomer level does not exceed the levels specified, as follows:

- **Acrylamide** = 0.05% dosed at 1 mg/L (or equivalent)
- **Epichlorohydrin** = 0.01% dosed at 20 mg/L (or equivalent)

⁸ Maximum Residual Disinfectant Level Goals and Levels (MRDLG and MRDL).