

their distribution system and report to the State:

- Lead from piping, solder, caulking, interior lining of distribution mains, alloys and home plumbing.
- Copper from piping and alloys, service lines, and home plumbing.
- Galvanized piping, service lines, and home plumbing.
- Ferrous piping materials such as cast iron and steel.
- Asbestos cement pipe.

In addition, States may require identification and reporting of other materials of construction present in distribution systems that may contribute contaminants to the drinking water, such as:

- Vinyl lined asbestos cement pipe.
- Coal tar lined pipes and tanks.

[45 FR 57346, Aug. 27, 1980; 47 FR 10999, Mar. 12, 1982, as amended at 59 FR 62470, Dec. 5, 1994]

**§ 141.43 Prohibition on use of lead pipes, solder, and flux.**

(a) *In general*—(1) *Prohibition.* Any pipe, solder, or flux, which is used after June 19, 1986, in the installation or repair of—

- (i) Any public water system, or
- (ii) Any plumbing in a residential or nonresidential facility providing water for human consumption which is connected to a public water system shall be lead free as defined by paragraph (d) of this section. This paragraph (a)(1) shall not apply to leaded joints necessary for the repair of cast iron pipes.

(2) Each public water system shall identify and provide notice to persons that may be affected by lead contamination of their drinking water where such contamination results from either or both of the following:

- (i) The lead content in the construction materials of the public water distribution system,
- (ii) Corrosivity of the water supply sufficient to cause leaching of lead.

Notice shall be provided notwithstanding the absence of a violation of any national drinking water standard. The manner and form of notice are specified in § 141.34 of this part.

(b) *State enforcement*—(1) *Enforcement of prohibition.* The requirements of paragraph (a)(1) of this section shall be enforced in all States effective June 19,

1988. States shall enforce such requirements through State or local plumbing codes, or such other means of enforcement as the State may determine to be appropriate.

(2) *Enforcement of public notice requirements.* The requirements of paragraph (a)(2) of this section, shall apply in all States effective June 19, 1988.

(c) *Penalties.* If the Administrator determines that a State is not enforcing the requirements of paragraph (a) of this section, as required pursuant to paragraph (b) of this section, the Administrator may withhold up to 5 percent of Federal funds available to that State for State program grants under section 1443(a) of the Act.

(d) *Definition of lead free.* For purposes of this section, the term *lead free*

(1) When used with respect to solders and flux refers to solders and flux containing not more than 0.2 percent lead, and

(2) When used with respect to pipes and pipe fittings refers to pipes and pipe fittings containing not more than 8.0 percent lead.

[52 FR 20674, June 2, 1987]

**Subpart F—Maximum Contaminant Level Goals**

**§ 141.50 Maximum contaminant level goals for organic contaminants.**

(a) MCLGs are zero for the following contaminants:

- (1) Benzene
- (2) Vinyl chloride
- (3) Carbon tetrachloride
- (4) 1,2-dichloroethane
- (5) Trichloroethylene
- (6) Acrylamide
- (7) Alachlor
- (8) Chlordane
- (9) Dibromochloropropane
- (10) 1,2-Dichloropropane
- (11) Epichlorohydrin
- (12) Ethylene dibromide
- (13) Heptachlor
- (14) Heptachlor epoxide
- (15) Pentachlorophenol
- (16) Polychlorinated biphenyls (PCBs)
- (17) Tetrachloroethylene
- (18) Toxaphene
- (19) Benzo[a]pyrene
- (20) Dichloromethane (methylene chloride)

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- (21) Di(2-ethylhexyl)phthalate
- (22) Hexachlorobenzene
- (23) 2,3,7,8-TCDD (Dioxin)

(b) MCLGs for the following contaminants are as indicated:

Contaminant	MCLG in mg/l
(1) 1,1-Dichloroethylene	0.007
(2) 1,1,1-Trichloroethane	0.20
(3) para-Dichlorobenzene	0.075
(4) Aldicarb	0.001
(5) Aldicarb sulfoxide	0.001
(6) Aldicarb sulfone	0.001
(7) Atrazine	0.003
(8) Carbofuran	0.04
(9) o-Dichlorobenzene	0.6
(10) cis-1,2-Dichloroethylene	0.07
(11) trans-1,2-Dichloroethylene	0.1
(12) 2,4-D	0.07
(13) Ethylbenzene	0.7
(14) Lindane	0.0002
(15) Methoxychlor	0.04
(16) Monochlorobenzene	0.1
(17) Styrene	0.1
(18) Toluene	1
(19) 2,4,5-TP	0.05
(20) Xylenes (total)	10
(21) Dalapon	0.2
(22) Di(2-ethylhexyl)adipate	.4
(23) Dinoseb	.007
(24) Diquat	.02
(25) Endothall	.1
(26) Endrin	.002
(27) Glyphosate	.7
(28) Hexachlorocyclopentadiene	.05
(29) Oxamyl (Vydate)	.2
(30) Picloram	.5
(31) Simazine	.004
(32) 1,2,4-Trichlorobenzene	.07
(33) 1,1,2-Trichloroethane	.003

[50 FR 46901, Nov. 13, 1985, as amended at 52 FR 20674, June 2, 1987; 52 FR 25716, July 8, 1987; 56 FR 3592, Jan. 30, 1991; 56 FR 30280, July 1, 1991; 57 FR 31846, July 17, 1992]

**§ 141.51 Maximum contaminant level goals for inorganic contaminants.**

(a) [Reserved]

(b) MCLGs for the following contaminants are as indicated:

Contaminant	MCLG (mg/l)
Antimony	0.006
Asbestos	7 Million fibers/liter (longer than 10 µm).
Barium	2
Beryllium	.004
Cadmium	0.005
Chromium	0.1
Copper	1.3
Cyanide (as free Cyanide)	.2
Fluoride	4.0
Lead	zero
Mercury	0.002
Nitrate	10 (as Nitrogen).
Nitrite	1 (as Nitrogen).
Total Nitrate+Nitrite	10 (as Nitrogen).
Selenium	0.05

Contaminant	MCLG (mg/l)
Thallium	.0005

[50 FR 47155, Nov. 14, 1985, as amended at 52 FR 20674, June 2, 1987; 56 FR 3593, Jan. 30, 1991; 56 FR 26548, June 7, 1991; 56 FR 30280, July 1, 1991; 57 FR 31846, July 17, 1992; 60 FR 33932, June 29, 1995]

**§ 141.52 Maximum contaminant level goals for microbiological contaminants.**

MCLGs for the following contaminants are as indicated:

Contaminant	MCLG
(1) <i>Giardia lamblia</i>	zero
(2) Viruses	zero
(3) <i>Legionella</i>	zero
(4) Total coliforms (including fecal coliforms and <i>Escherichia coli</i> ).	zero.

[54 FR 27527, 27566, June 29, 1989; 55 FR 25064, June 19, 1990]

**Subpart G—National Revised Primary Drinking Water Regulations: Maximum Contaminant Levels**

**§ 141.60 Effective dates.**

(a) The effective dates for § 141.61 are as follows:

(1) The effective date for paragraphs (a)(1) through (a)(8) of § 141.61 is January 9, 1989.

(2) The effective date for paragraphs (a)(9) through (a)(18) and (c)(1) through (c)(18) of § 141.61 is July 30, 1992.

(3) The effective date for paragraphs (a)(19) through (a)(21), (c)(19) through (c)(25), and (c)(27) through (c)(33) of § 141.61 is January 17, 1994. The effective date of § 141.61(c)(26) is August 17, 1992.

(b) The effective dates for § 141.62 are as follows:

(1) The effective date of paragraph (b)(1) of § 141.62 is October 2, 1987.

(2) The effective date for paragraphs (b)(2) and (b)(4) through (b)(10) of § 141.62 is July 30, 1992.

(3) The effective date for paragraphs (b)(11) through (b)(15) of § 141.62 is January 17, 1994.

[56 FR 3593, Jan. 30, 1991, as amended at 57 FR 31846, July 17, 1992; 59 FR 34324, July 1, 1994]