

§ 141.62

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**§ 141.62 Maximum contaminant levels for inorganic contaminants.**

(a) [Reserved]  
 (b) The maximum contaminant levels for inorganic contaminants specified in paragraphs (b) (2)–(6), (b)(10), and (b) (11)–(15) of this section apply to community water systems and non-transient, non-community water systems. The maximum contaminant level specified in paragraph (b)(1) of this section only applies to community water systems. The maximum contaminant levels specified in (b)(7), (b)(8), and (b)(9) of this section apply to community water systems; non-transient, non-community water systems; and transient non-community water systems.

Contaminant	MCL (mg/l)
(1) Fluoride .....	4.0
(2) Asbestos .....	7 Million Fibers/liter (longer than 10 µm).
(3) Barium .....	2
(4) Cadmium .....	0.005
(5) Chromium .....	0.1
(6) Mercury .....	0.002
(7) Nitrate .....	10 (as Nitrogen)
(8) Nitrite .....	1 (as Nitrogen)
(9) Total Nitrate and Nitrite ....	10 (as Nitrogen)
(10) Selenium .....	0.05
(11) Antimony .....	0.006
(12) Beryllium .....	0.004
(13) Cyanide (as free Cyanide) .....	0.2
(14) [Reserved] .....	
(15) Thallium .....	0.002

(c) The Administrator, pursuant to section 1412 of the Act, hereby identifies the following as the best technology, treatment technique, or other means available for achieving compliance with the maximum contaminant levels for inorganic contaminants identified in paragraph (b) of this section, except fluoride:

BAT FOR INORGANIC COMPOUNDS LISTED IN SECTION 141.62(B)

Chemical Name	BAT(s)
Antimony .....	2,7
Asbestos .....	2,3,8
Barium .....	5,6,7,9
Beryllium .....	1,2,5,6,7
Cadmium .....	2,5,6,7
Chromium .....	2,5,6 <sup>2</sup> ,7
Cyanide .....	5,7,10
Mercury .....	2 <sup>1</sup> ,4,6 <sup>1</sup> ,7 <sup>1</sup>
Nickel .....	5,6,7
Nitrate .....	5,7,9
Nitrite .....	5,7
Selenium .....	1,2 <sup>3</sup> ,6,7,9

BAT FOR INORGANIC COMPOUNDS LISTED IN SECTION 141.62(B)—Continued

Chemical Name	BAT(s)
Thallium .....	1,5

<sup>1</sup> BAT only if influent Hg concentrations ≤10µg/l.  
<sup>2</sup> BAT for Chromium III only.  
<sup>3</sup> BAT for Selenium IV only.

*Key to BATS in Table*

- 1=Activated Alumina
- 2=Coagulation/Filtration
- 3=Direct and Diatomite Filtration
- 4=Granular Activated Carbon
- 5=Ion Exchange
- 6=Lime Softening
- 7=Reverse Osmosis
- 8=Corrosion Control
- 9=Electrodialysis
- 10=Chlorine
- 11=Ultraviolet

[56 FR 3594, Jan. 30, 1991, as amended at 56 FR 30280, July 1, 1991; 57 FR 31847, July 17, 1992; 59 FR 34325, July 1, 1994; 60 FR 33932, June 29, 1995]

**§ 141.63 Maximum contaminant levels (MCLs) for microbiological contaminants.**

(a) The MCL is based on the presence or absence of total coliforms in a sample, rather than coliform density.

(1) For a system which collects at least 40 samples per month, if no more than 5.0 percent of the samples collected during a month are total coliform-positive, the system is in compliance with the MCL for total coliforms.

(2) For a system which collects fewer than 40 samples/month, if no more than one sample collected during a month is total coliform-positive, the system is in compliance with the MCL for total coliforms.

(b) Any fecal coliform-positive repeat sample or *E. coli*-positive repeat sample, or any total coliform-positive repeat sample following a fecal coliform-positive or *E. coli*-positive routine sample constitutes a violation of the MCL for total coliforms. For purposes of the public notification requirements in § 141.32, this is a violation that may pose an acute risk to health.

(c) A public water system must determine compliance with the MCL for total coliforms in paragraphs (a) and (b) of this section for each month in which it is required to monitor for total coliforms.