

R309-103-2. Primary Drinking Water Standards.

2.1 Inorganic Contaminants.

a. The maximum contaminant levels (MCLs) for antimony, arsenic, asbestos, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium, sodium, thallium and total dissolved solids are applicable to community and non-transient non-community water systems.

b. The MCLs for nitrate, nitrite, and total nitrate, nitrite and sulfate are applicable to community, non-transient non-community, and non-community water systems.

c. The maximum contaminant levels for inorganic chemicals are listed in Table 103-1.

TABLE 103-1
PRIMARY INORGANIC CONTAMINANTS

Contaminant	Maximum Contaminant Level
1. Antimony	0.006 mg/l
2. Arsenic	0.05 mg/l
3. Asbestos	7 Million Fibers/liter (longer than 10 um)
4. Barium	2 mg/l
5. Beryllium	0.004 mg/l
6. Cadmium	0.005 mg/l
7. Chromium	0.1 mg/l
8. Cyanide (as free Cyanide)	0.2 mg/l
9. Fluoride	4.0 mg/l
10. Mercury	0.002 mg/l
11. Nickel	--- (see Note 1 below)
12. Nitrate	10 mg/l (as Nitrogen) (see Note 4 below)
13. Nitrite	1 mg/l (as Nitrogen)
14. Total Nitrate and Nitrite	10 mg/l (as Nitrogen)
15. Selenium	0.05 mg/l
16. Sodium	--- (see Note 1 below)
17. Sulfate	1000 mg/l (see Note 2 below)
18. Thallium	0.002 mg/l
19. Total Dissolved Solids	2000 mg/l (see Note 3 below)

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NOTE:

(1) No maximum contaminant level has been established for nickel and sodium. However, these contaminant must be monitored and reported in accordance with the requirements of R309-104-4.1.3.

(2) If the sulfate level of a public (community, NTNC and non-community) water system is greater than 500 mg/l, the supplier must satisfactorily demonstrate that:

(a) No better quality water is available, and

(b) The water shall not be available for human consumption from commercial establishments.

In no case shall the Board allow the use of water having a sulfate level greater than 1000 mg/liter.

(3) If TDS is greater than 1000 mg/l, the supplier shall satisfactorily demonstrate to the Board that no better water is available. The Board shall not allow the use of an inferior source of water if a better source of water (i.e. lower in TDS) is available.

(4) In the case of a non-community water systems which exceed the MCL

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for nitrate, the Executive Secretary may allow, on a case-by-case basis, a nitrate level not to exceed 20 mg/l if the supplier can adequately demonstrate that:

(a) such water will not be available to children under 6 months of age as may be the case in hospitals, schools and day care centers; and

(b) there will be continuous posting of the fact that nitrate levels exceed 10 mg/l and the potential health effect of exposure; and

(c) the water is analyzed in conformance to R309-104-4.1.4; and

(d) that no adverse health effects will result.

CLEAR REGULATORY COMMISSION

Exhibit No. _____ Official Ex. No. 162
In the matter of PFS

Staff _____ IDENTIFIED

Applicant _____ RECEIVED _____

Intervenor _____ REJECTED _____

Other _____ WITHDRAWN _____

DATE 4/24/02 Witness _____

Clerk _____ pal _____