



ADMINISTRATIVE RULES OF MONTANA



17.38.216 CHEMICAL AND RADIOLOGICAL QUALITY SAMPLES

- (1) A supplier of water shall collect water samples taken from each entry point location serving a community and nontransient noncommunity public water supply system for analysis by an approved laboratory of the following inorganic chemicals:
 - (a) alkalinity total
 - (b) calcium
 - (c) pH value
 - (d) sodium
 - (e) iron
 - (f) manganese
 - (g) hardness
 - (h) specific conductance
 - (i) sulphate
 - (j) chloride
 - (k) magnesium
- (2) Samples required in (1) must be collected and analyzed at the frequency for regulated inorganic chemicals, other than nitrate and nitrite, as required in (3) . The department may waive the sampling and analysis requirement for any or all of these chemicals if the results of at least one sample demonstrate that further sampling is unnecessary.
- (3) The department adopts and incorporates by reference the following monitoring and analytical requirements:
 - (a) 40 CFR 141.23, which sets forth sampling and analytical method requirements for inorganic chemicals except that 141.23(i) is replaced with the following:
 - "(i) Compliance with 40 CFR 141.11 or 141.62(b) (as appropriate) shall be determined based on the analytical result(s) obtained at each sampling point.
 - (1) For systems monitoring more than once per year, compliance with the maximum contaminant levels, as described in 40 CFR 141.11 or 141.62(b) , for fluoride, asbestos, barium, cadmium, chromium, mercury, selenium, antimony, beryllium,

cyanide, nickel, thallium, or arsenic is determined by a running annual average at any sampling point.

- (2) For systems monitoring annually or less frequently for fluoride, asbestos, barium, cadmium, chromium, mercury, selenium, antimony, beryllium, cyanide, nickel, thallium, or arsenic whose sample result(s) exceed(s) a maximum contaminant level, as described in 40 CFR 141.11 or 141.62(b), must begin quarterly sampling. The system will not be considered in violation of the maximum contaminant level until it has completed one year of quarterly sampling.
 - (3) If any sample result will cause the running annual average to exceed the maximum contaminant level at the sampling point, the system will be considered out of compliance with the maximum contaminant level immediately.
 - (4) If a system fails to collect the required number of samples, compliance will be based on the total number of samples collected.
 - (5) If any sample result is less than the detection limit, zero will be used to calculate the annual average.
 - (6) Compliance with the maximum contaminant levels for nitrate and nitrite is determined based on one sample if the levels of these contaminants are below the MCLs. If the levels of nitrate and/or nitrite exceed the MCLs in the initial sample, a confirmation sample is required in accordance with paragraph (f)(2) of this section, and compliance shall be determined based on the average of the initial and confirmation samples.
 - (7) Arsenic sampling results will be reported to the nearest 0.001mg/L."
- (b) 40 CFR 141.24, which sets forth sampling and analytical method requirements for organic chemicals other than total trihalomethanes;
 - (c) 40 CFR 141.25, which sets forth analytical method requirements for radioactive contaminants;
 - (d) 40 CFR 141.26, which sets forth sampling requirements for radioactive contaminants in community water systems;
 - (e) CFR 141.27, which sets forth requirements for alternate analytical methods;
 - (f) 40 CFR 141.28, which sets forth requirements for the use of certified laboratories by public water system suppliers and by the department, except that, for the purpose of this subchapter, the phrase "certified laboratory" means "approved laboratory" as defined in ARM 17.38.202. References to 40 CFR 141.21 in 40 CFR 141.28 also refer to ARM 17.38.215;
 - (g) 40 CFR 141.29, which sets forth sampling requirements for consecutive public water systems;
 - (h) 40 CFR 141.40, which sets forth special sampling and analytical method requirements for unregulated inorganic and organic contaminants;
 - (i) 40 CFR 141.41, which sets forth special monitoring and analytical method requirements for sodium;

- (j) 40 CFR 141.42, which sets forth special requirements for water system materials subject to corrosion;
 - (k) 40 CFR 141.80, which sets forth general requirements for the control of lead and copper;
 - (l) 40 CFR 141.86, which sets forth sampling and analytical method requirements for lead and copper;
 - (m) 40 CFR 141.87, which sets forth sampling requirements for water quality parameters;
 - (n) 40 CFR 141.88, which sets forth sampling requirements for lead and copper in source water;
 - (o) 40 CFR 141.89, which sets forth analytical method requirements for lead, copper, and water quality parameters;
 - (p) 40 CFR 141.130, which sets forth general requirements for control of disinfectants and disinfection byproducts;
 - (q) 40 CFR 141.131, which sets forth analytical method requirements for disinfectants and disinfection byproducts;
 - (r) 40 CFR 141.132, which sets forth sampling requirements for disinfectants and disinfection byproducts; and
 - (s) 40 CFR 141.133, which sets forth compliance requirements for disinfectants and disinfection byproducts.
- (4) A supplier shall sample every new source of water supply, both surface and ground, for nitrate and nitrite analyses to demonstrate compliance with this subchapter before the water is served to the public. Unless otherwise directed by the department, a supplier also shall sample all new sources of water supply for analysis of the parameters identified in (3) before the end of the calendar quarter in which the source is connected to a public water supply. A supplier shall also sample a new source serving a transient non-community water system for either total dissolved solids (TDS) or specific conductance.
- (5) Further sampling or corrective action may be required by the department if the results of the analyses do not demonstrate conformance with applicable maximum contaminant levels or actions levels.

Authorizing statute(s): 75-6-104, MCA

Implementing statute(s): 75-6-104, MCA

History: NEW, 1977 MAR p. 1187, Eff. 12/24/77; AMD, 1982 MAR p. 594, Eff. 3/26/82; AMD, 1991 MAR p. 1492, Eff. 8/16/91; AMD, 1994 MAR p. 2131, Eff. 8/12/94; TRANS, from DHES, 1996 MAR p. 1499; AMD, 1998 MAR p. 1167, Eff. 5/1/98; AMD, 2000 MAR p. 3400, Eff. 12/8/00; AMD, 2003 MAR p. 1279, Eff. 6/27/03; AMD, 2004 MAR p. 3016, Eff. 1/1/05; AMD, 2008 MAR p. 2625, Eff. 12/25/08; AMD, 2010 MAR p. 1798, Eff. 8/13/10; AMD, 2024 MAR p. 253, Eff. 2/10/24.