

ENVIRONMENTAL QUALITY

CHAPTER 38

PUBLIC WATER AND SEWAGE SYSTEM REQUIREMENTS

Subchapter 5

Water Hauled for Cisterns

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Subchapter 5

Water Hauled for Cisterns

17.38.501 PURPOSE (1) The purpose of this subchapter is to assure the safety and purity of water hauled from a public water supply source to fill cisterns or other reservoirs to provide water for human consumption. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.502 DEFINITIONS (1) "Department" means the Department of Environmental Quality.

(2) "Water hauler" is a water supplier that is a public water supply system, as defined in 75-6-102, MCA, and that is engaged in the business of transporting water, through a non-piped conveyance, from a water source to a cistern or other facility. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499; AMD, 2011 MAR p. 1545, Eff. 8/12/11.)

17.38.503 EQUIPMENT, SPECIFICATIONS AND OPERATION

(1) Equipment used for the conveying and hauling of water must have water contact surfaces that are made of non-corrodible and non-toxic materials. All interior coatings, platings, or paints shall be free of toxic materials.

(2) Water-contact surfaces must be smooth for easy cleaning and sanitizing.

(3) Inlets, outlets, piping, hose, and tank openings must be constructed to prevent entrance of foreign materials that may contaminate the water.

(4) The tanks or containers shall be free of deep pits, excessive scale, dents, or crimps which may tend to hold contaminating matter.

(5) All water contact surfaces including tanks must never have been used to transport or handle toxic or noxious substances.

(6) All inlet openings must be kept closed except when filling or cleaning.

(7) Flexible delivery piping, connectors, and ends are to be protected at all times. During delivery, cistern or reservoir must be protected from contamination.

(8) Tanks used for hauling water for human consumption shall not be used for any other purpose.

(9) Each piece of equipment used to haul water may be inspected periodically by representatives of the department. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

Rules 17.38.504 through 17.38.509 reserved

17.38.510 SANITIZING EQUIPMENT (1) Hauling equipment must be cleaned and sanitized:

- (a) before being used the first time and after a period of non-use.
- (b) after any portion of equipment has been dismantled or repaired.
- (c) after known errors in sanitary procedures by the operators have occurred.
- (d) at least weekly.

(2) Equipment shall be cleaned by scrubbing with normal cleaning aids, being careful to flush away all foreign materials.

(3) The equipment shall be sanitized by exposing it to:

- (a) steam at 170°F for 15 minutes, or
- (b) steam at 200°F for 5 minutes, or
- (c) chlorine, iodine, or other approved sanitizers at recommended strength and contact time. Application of chemical sanitizers can be done by fogging, spraying, jet-blowing, or any other procedure approved by the department. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.511 WATER SUPPLY (1) Water to be hauled must be taken from a department-approved community public water supply system and from a department-approved water loading station that meets the requirements of Department Circular DEQ-1.

(2) Water haulers shall collect bacteriological samples from the water hauling equipment at least once per month for each approved public water supplier the hauler uses that month.

(3) If a water hauler's public water supplier is in compliance with the monitoring and maximum contaminant level requirements set forth in ARM Title 17, chapter 38, subchapter 2, the water hauler is not required to duplicate the entry point sampling of the supplier unless specifically required to do so by the department. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499; AMD, 2011 MAR p. 1545, Eff. 8/12/11.)

17.38.512 FILLING POINTS (1) Filling points must be constructed in order to protect against contamination of the filling pipe or hose when not in use. They must also be protected during the tank filling operation to prevent contamination of either the water being piped into the tank or water in the public water supply system.

(2) There must be no direct connection between the hose or pipe on the public water supply and the hauling tank itself. An air gap must be provided or an adequate back flow prevention device must be installed on the filler pipe. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499.)

17.38.513 CHEMICAL TREATMENT OF WATER (1) Except as provided in (3), water haulers shall dose each load of water with enough chlorine to provide a free chlorine or total chlorine residual of at least 0.4 parts per million (ppm), not to exceed 4.0 ppm, at the time the water hauling equipment is filled and at the time the water is delivered to the receiving system. Water haulers shall use department-approved methods to monitor the chlorine residual concentration.

(2) Water haulers shall monitor each load of water, and shall record chlorine residual results on department-approved forms. Haulers shall retain the records of chlorine residual results for each load and shall provide the records to the department upon request. Chlorine residual records must be retained for ten years, as required by 40 CFR, Part 141.33, which is incorporated by reference in ARM 17.38.234. By the tenth of the month following a delivery, haulers shall report the following to the department on department-approved forms:

(a) one chlorine residual result for each day water is delivered, taken from the load with the lowest monitored residual result; and

(b) for days that a hauler obtains and delivers water from multiple public water suppliers, one chlorine residual result per supplier per day, taken from the loads with the lowest monitored residual result.

(3) Water haulers using an approved chloraminated source of water shall monitor, record, and report residuals as required in (1) and (2), but are not required to adjust total chlorine levels. (History: 75-6-103, MCA; IMP, 75-6-103, MCA; NEW, 1979 MAR p. 38, Eff. 1/26/79; TRANS, from DHES, 1996 MAR p. 1499; AMD, 2009 MAR p. 1794, Eff. 10/16/09; AMD, 2011 MAR p. 1545, Eff. 8/12/11.)

