

CHAPTER 4720
DEPARTMENT OF HEALTH
PUBLIC WATER SUPPLIES

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4720.0010 WATER SUPPLY AND SEWERAGE SYSTEMS.

No system of water supply or system for the on-site disposal of sewage where such system is for public use or for the use of any considerable number of persons, or in case any such system affects or tends to affect the public health in any manner, shall be installed by any public agency or by any person or corporation, nor shall any such existing system be materially altered or extended, until complete plans and specifications for the installation, alteration, or extension, together with such information as the commissioner of health may require, have been submitted in duplicate and approved by the commissioner of health insofar as any features thereof affect or tend to affect the public health, and no construction shall take place except in accordance with the approved plans. A well installed or materially altered for the purpose of providing water to a noncommunity or nontransient noncommunity water supply is exempt from this part.

Statutory Authority: *MS s 144 122*

History: *18 SR 1222*

4720.0025 UNSAFE WATER CONNECTIONS.

There shall be no physical connection between any public water supply system intended for potable or domestic use and any system, equipment, or device that may serve as a source of contamination, unless protected by a properly maintained backflow preventer approved by the commissioner. Backflow prevention for fire sprinkler systems must comply with American Water Works Association Standard M14, section 6.3, as referenced in part 4715 2110.

Statutory Authority: *MS s 144 383*

History: *18 SR 1960*

4720.0350 RULES AND STANDARDS ADOPTED BY REFERENCE.

The National Primary Drinking Water Regulations in Code of Federal Regulations, title 40, part 141, and sections 142.40 to 142.64 as amended through July 17, 1992, are incorporated by reference in parts 4720 0200 to 4720 3970 and are subject to the alterations and amendments contained in parts 4720 0200 to 4720 3970.

Statutory Authority: *MS s 144 383*

History: *18 SR 1960*

4720.0450 DEFINITIONS; SECTION 141.2 OF THE NATIONAL PRIMARY DRINKING WATER REGULATIONS.

[For text of subpart 1, see M R]

Subp 2 **Commissioner of health defined.** In section 141 2 of the National Primary Drinking Water Regulations, the following definition is added:

“Commissioner of health” means the authority established by Minnesota Statutes, sections 144 381 to 144 387, for enforcement in the state of the National Primary Drinking Water Regulations and parts 4720 0200 to 4720 3970. For purposes of enforcing the National

Primary Drinking Water Regulations, title 40, part 141, the term “state” contained in those regulations means the commissioner of health

[For text of subps 3 to 11, see M R]

Statutory Authority: *MS s 144 383*

History: *18 SR 1960*

4720.0550 MICROBIOLOGICAL CONTAMINANT SAMPLING AND ANALYTICAL REQUIREMENTS; SECTION 141.21 OF THE NATIONAL PRIMARY DRINKING WATER REGULATIONS.

Subpart 1 **Section 141.21, paragraph (b), clause (1).** Section 141 21, paragraph (b), clause (1), of the National Primary Drinking Water Regulations is amended to read

If a routine sample is total coliform–positive, the public water supplier must collect a set of repeat samples within 24 hours of being notified of the positive result. A supplier must collect no fewer than four repeat samples for each total coliform–positive sample found. The commissioner of health may extend the 24–hour limit on a case–by–case basis if the supplier has a logistical problem in collecting the repeat samples within 24 hours and the problem is beyond the supplier’s control. In the case of an extension, the commissioner of health shall specify how much time the supplier has to collect the repeat samples.

Subp 2 **Section 141.21, paragraph (d), clause (2).** Section 141 21, paragraph (d), clause (2), of the National Primary Drinking Water Regulations is replaced with the sentence “Sanitary surveys will be conducted by the department.”

Subp 3 **Section 141.21, paragraph (e), clause (2).** Section 141 21, paragraph (e), clause (2), of the National Primary Drinking Water Regulations is deleted.

Statutory Authority: *MS s 144 383*

History: *18 SR 1960*

4720.2300 ADDITIONAL MONITORING REQUIREMENTS.

The commissioner may impose additional monitoring requirements if the results of a sanitary survey indicate that a public health risk may exist. The commissioner may impose a requirement for more frequent sampling if the analytical results of water tests show that a previously measured contaminant is approaching a maximum contaminant level prescribed in Code of Federal Regulations, title 40, part 141, as amended through July 17, 1992.

Statutory Authority: *MS s 144.383*

History: *18 SR 1960*

4720.2700 APPLICATION PROCEDURE FOR VARIANCE FROM PARTS 4720.0200 TO 4720.2300.

A request for a variance from parts 4720 0200 to 4720 2300 shall be submitted to the commissioner in writing and shall follow the procedures and requirements for a variance specified in Code of Federal Regulations, title 40, part 142 20.

Statutory Authority: *MS s 144 383*

History: *18 SR 1960*

4720.2800 [Repealed, 18 SR 1960]

4720.2900 [Repealed, 18 SR 1960]

4720.3000 [Repealed, 18 SR 1960]

4720.3910 [Repealed, 18 SR 1960]

4720.3920 GENERAL REQUIREMENTS FOR CONSTRUCTION OF SURFACE WATER AND GROUNDWATER UNDER THE DIRECT INFLUENCE OF SURFACE WATER TREATMENT FACILITIES.

Groundwater systems determined to be under the direct influence of surface water must meet all applicable requirements contained in parts 4720 3920 to 4720 3965. The source of surface water and groundwater under the direct influence of surface water selected for a pub-

lic water supply must provide the highest quality water reasonably available which, with appropriate treatment and adequate safeguards, meets the requirements specified in Code of Federal Regulations, title 40, sections 141.72(b) and 141.73, as amended through July 17, 1992. The design of the treatment processes, equipment, and structures shall depend on an evaluation of the nature and quality of the particular water to be treated. Variations from the design criteria may be approved by the commissioner in cases where experimental, pilot, or full scale studies have demonstrated that acceptable results can be obtained. Any unfiltered surface water or groundwater under the direct influence of a surface water system that experiences a waterborne disease outbreak must comply with the appropriate treatment requirements contained in parts 4720.3920 to 4720.3965.

Statutory Authority: *MS s 144.383*

History: *18 SR 1960*

4720.3942 FILTRATION.

The application of any type of filter and media must be supported by water quality data for the period of use sufficient to characterize any variation in water quality. All public systems using surface water or groundwater under the direct influence of surface water must have filtration systems that meet the minimum requirements of parts 4720.3945 to 4720.3955. Filtration systems must meet the requirements in parts 4720.3945 to 4720.3955.

Statutory Authority: *MS s 144.383*

History: *18 SR 1960*