

506 CROSS CONNECTIONS AND BACKFLOW PREVENTION

506.1 GENERAL

Cross connections from any well or other source of water to any piping system connected to the Des Moines Water Works distribution mains shall not be permitted except upon written permission from the CEO and General Manager, or designated representative. These service conditions will be subject to periodic inspection and approval by the Des Moines Water Works.

506.2 BACKFLOW PREVENTION

506.2.1 The customer shall prevent pollutants and contaminants from entering his potable water supply system or the Des Moines Water Works distribution mains by backflow or back siphoning.

506.2.2 All water-using devices must be so designed that back siphoning or backflow to the system cannot occur.

506.2.3 Where harmful contaminants or pollutants are used with any device or process connected to the water system, the customer must install and maintain a reduced pressure backflow prevention device in accordance with these Rules and Regulations and any applicable plumbing code requirements.

506.2.4 All permanently installed underground sprinkling systems shall contain a device designed to prevent back siphoning or backflow to the Des Moines Water Works distribution system.

506.3 REQUIRED INSTALLATION

The approved backflow prevention device shall be installed:

506.3.1 For new plants or facilities as described above, when constructed.

506.3.2 For existing plants or facilities as described above, when major plumbing changes are made.

506.3.3 For existing plants or facilities as described above, where a dangerous or potentially dangerous condition is found.

506.3.4 For any residence, plant, or facility where a dangerous or potentially dangerous condition is found and where such installation is ordered by the Des Moines Water Works.

506.3.5 When required by other codes or statutes.

506.4 INTERCONNECTED SERVICES AND/OR FIRE LINES

Where a customer is served by two or more inter-connected services and/or fire lines connected to different Des Moines Water Works distribution mains or different sections of distribution mains, the customer shall install and maintain, at his expense, on each service and/or fire line, an approved check valve according to the latest edition of the AWWA Standard C508.

This check valve, installed in an access manhole, shall be located on private property just inside the property line. Even though the check valve is located on private property, Des Moines Water Works personnel shall have the right and license to have access to it.