



MINNESOTA DEPARTMENT OF PUBLIC SAFETY
State Fire Marshal Division

INTERPRETATION

Interpretation #: INTERP FP-09 (2007)	Subject of Interpretation: Multipurpose Piping Systems for Residential Sprinkler Systems		
Reviewed and Approved By: Jerry Rosendahl	Title: State Fire Marshal	Effective Date: July 10, 2007	Revision Date: July 10, 2007

APPLIES TO:

All Inspection Personnel, All Sprinkler Inspectors and Plan Reviewers, All Fire Protection Specialists, All Inspection Supervisors, All Fire Sprinkler Contractors, All Fire Sprinkler Designers, All Fire Sprinkler Installers.

PURPOSE:

To clarify requirements of the sprinkler licensing statute, Minnesota Statute 299M and how it applies to multipurpose piping system residential sprinkler systems.

POSITION:

The State Fire Marshal Division has reviewed multipurpose piping systems for residential sprinkler systems and how Minnesota Statute 299M applies to their installation.

A) Background

A multipurpose piped residential sprinkler system is a series of interconnected tubing that supplies domestic water to the typical water appliances found in the home. Attached to this grid of tubing are junction boxes that accept four separate tubes and a sprinkler head.

Recently, the State Fire Marshal Division has been asked if the multipurpose piping-residential sprinkler systems are regulated under Minnesota Statute 299M and therefore required to be installed by a licensed sprinkler contractor? The answer is **NO**, based on the following reasons:

1. The grid is primarily a domestic water system and does not resemble the traditional residential sprinkler system.
2. Being primarily a domestic water piping system, the installation is regulated by Minnesota Statute 326.37 through 326.45 (licensing of plumbers).

B) Requirements

While the State Fire Marshal Division believes that this system does not fall under the jurisdiction of Minnesota Statute 299M, the following conditions must be met:

1. The installed systems shall comply in all respects with the national listing.
2. Plans shall be submitted for approval by the local Authority Having Jurisdiction before installation begins.

3. The water supply shall be analyzed and confirmed to be adequate for proper system operation before the plans are submitted to the local Authority Having Jurisdiction.
4. The pre-engineered tubing and nozzles shall be confirmed as the proper size (based on the existing water supply) to the local Authority Having Jurisdiction.
5. Installing plumbers shall be factory trained and certified for this type of system.
6. The installation shall comply with applicable provisions of NFPA 13D (2002 edition.)
7. This policy **DOES NOT** apply to conventionally piped NFPA 13D residential sprinkler systems. All of the requirements of SFMD Policy FP-01 apply to conventionally piped NFPA 13D systems.