




STATE OF ALASKA
Department of Public Safety
MEMORANDUM



To: Department of Community and
Economic Development

Date: November 29, 2010

Telephone: 269-5491

From: David L. Tyler 
Division of Fire and Life Safety

Subject: AS 18.70.081 – Approved Fire
Protection Systems

The following list is provided for clarification of “Approved Fire Protection Systems,” Alaska Statute 18.70.081, and supersedes all previous memos regarding this matter.

- I. The following is a list of Approved Fire Protection Systems.
 - A. Water-based fire sprinkler systems, which provide complete coverage throughout the Structure, designed, installed, and maintained in accordance with the International Building Code as amended, the International Fire Code as amended, and NFPA # 13.
 - B. Water-based fire sprinkler systems (in residential occupancies up to and including four stories), which provide complete coverage throughout the structure, designed, installed, and maintained in accordance with the International Building Code as amended, the International Fire Code as amended, and BFPA #13R.
 - C. Water-based fire sprinklers systems (in one and two family dwellings and manufactured homes), which provide complete coverage throughout the structure, designed, installed, and maintained in accordance wit the International Building Code as amended, the International Fire Code as amended, and NFPA #13D.
 - D. Water mist fire protection systems, which provide complete coverage throughout the structure, designed, installed and maintained in accordance wit NFPA 750.
 - E. Halogenated fire extinguishing agent systems, which provides complete coverage Throughout the structure, Halon 1301 designed, installed and maintained in accordance with NFPA # 12 A.
 - F. All water-based fire protection systems listed above shall be maintained in accordance with NFPA # 25 and in accordance with 13 AAC 50.025.



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II. Fire Protection Systems qualifying for the loan provisions of AS 45.95.020 (a) in accordance with 13 AAC 50.025:

1. Low Expansion Foam Systems - NFPA #11, 2002 edition
2. Medium – High Expansion Foam Systems - NFPA # 11A, 1999 edition
(No longer published as a separate standard but embodied in NFPA 11)
3. Carbon Dioxide Extinguishing Systems - NFPA # 12, 2000 edition
4. Halogenated Fire Extinguishing Systems - Halon 1301, NFPA # 12A, 2004 edition
5. Water-based Fire Sprinkler Systems - NFPA # 13, 13R, 13D, 2007 editions
6. Standpipe and Hose Systems - NFPA # 14, 2007 editions
7. Water Spray Fixed Systems - NFPA # 15, 2001 edition
8. Foam - Water Sprinkler and Spray Systems - NFPA # 16, 2003 edition
9. Dry Chemical Extinguishing Systems - NFPA # 17, 2002 edition
10. Wet Chemical Extinguishing Systems - NFPA # 17A, 2002 edition
11. Clean Agent Fire Extinguishing Systems – NFPA # 2001, 2004 edition
12. Ventilation Control and Fire Protection of Commercial Cooking Operations – NFPA # 96, 2004 edition
13. Water Supplies for Suburban and Rural Firefighting – NFPA # 1142, 2007 edition
14. Fire Alarms – NFPA # 72, 2007 edition
15. Water Mist Fire Protection Systems – NFPA # 750, 2006 edition