



STATE OF ALASKA

Department of Public Safety

MEMORANDUM



To: Department of Community and
Economic Development

Date: September 27, 2012

Telephone: 269-5491

From: Kelly T. Nicoletto
Director
Department of Public Safety
Division of Fire and Life Safety

Subject: AS 18.70.081 – Approved Fire
Protection Systems

The following list is provided to meet the requirement of Alaska Statute 18.70.081 for “Approved Fire Protection Systems”, 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 NFPA #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 with the International Building Code as amended, the International Fire Code as amended, and NFPA #13D, NFPA#13R and P2905.
- D. Water mist fire protection systems, which provide complete coverage throughout the structure, designed, installed and maintained in accordance with 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.



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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.

II. Fire Protection Systems qualifying for the loan provisions of AS 45.81.210 in accordance with 13 AAC 50.025:

1. Low Expansion Foam Systems - NFPA #11, 2010 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, 2005 edition
4. Halogenated Fire Extinguishing Systems - Halon 1301, NFPA # 12A, 2004 edition
5. Water-based Fire Sprinkler Systems - NFPA # 13, 13R, 13D, 2010 editions
6. Standpipe and Hose Systems - NFPA # 14, 2010 editions
7. Water Spray Fixed Systems - NFPA # 15, 2007 edition
8. Foam - Water Sprinkler and Spray Systems - NFPA # 16, 2007 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, 2008 edition
12. Ventilation Control and Fire Protection of Commercial Cooking Operations – NFPA # 96, 2011 edition
13. Water Supplies for Suburban and Rural Firefighting – NFPA # 1142, 2007 edition
14. Fire Alarms – NFPA # 72, 2010 edition
15. Water Mist Fire Protection Systems – NFPA # 750, 2010 edition