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Memorandum

DATE: August 2, 2019
TO: Fire Agencies and Prevention
FROM: Nevada State Fire Marshal
SUBJECT: Anti-freeze Solutions

Greetings Fire Officials,

NFPA 13 - 2013 and 2016 editions both have requirements that any sprinkler anti-freeze solution must be listed for use in sprinkler systems. There were no exceptions to this requirement. In a recent publication on the NFPA website, there is now a UL listed anti-freeze solution for use. <https://www.ul.com/news/certified-antifreeze-solutions-use-fire-sprinkler-systems> .

NAC 477.350 also stipulates that no device or component of any fire system may be sold, leased or installed in the State unless it is approved, labeled or listed by Underwriters Laboratories Inc., Underwriters' Laboratories of Canada, FM Global Technologies LLC or any other testing laboratory approved by the State Fire Marshal. The product in question meets these criteria and thus the State Fire Marshal has no concerns with the approval and use of this product.

It is understood that there are fire sprinkler systems that were installed prior to and possibly after the requirement for a listed anti-freeze solution (September 30, 2012). Per NFPA 25, all traditional antifreeze solutions must be replaced by listed antifreeze solutions or alternative freeze protection methods, by September 2022. There are no exceptions listed to this requirement. <https://www.nfpa.org/-/media/Files/Public-Education/By-topic/Home-fire-sprinklers/Current-requirements-for-sprinkler-systems-containing-antifreeze.ashx>. Preplanning should be in progress to address all traditional antifreeze system change outs.