

MINNESOTA STATE DEPARTMENT OF PUBLIC SAFETY



Alcohol &
Gambling
Enforcement

Bureau of
Criminal
Apprehension

Capitol Security

Crime Victim
Services

Driver & Vehicle
Services

Emergency
Management /
Emergency
Response
Commission

State Fire
Marshal /
Pipeline Safety

State Patrol

Traffic Safety

State Fire Marshal Division

444 Cedar Street, Suite 145, St. Paul, Minnesota 55101-5145

Phone: 651/201-7200 FAX: 651/215-0525 TTY: 651/282/6555

Internet: <http://www.fire.state.mn.us>

NONMETALLIC TANKS FOR STORING COMBUSTIBLE LIQUIDS INFORMATION SHEET

This fire safety information sheet is based on the 2007 Minnesota State Fire Code (MSFC) Section 3404.2.7 and 102.7. This contains information for authorities having jurisdiction (AHJ) for the use of nonmetallic storage tanks listed to UL's SU2258 to store Class II, IIIA and IIIB combustible liquids.

It was brought to our attention that there are issues with existing steel tanks corroding from the inside with the number of additives in combustible liquids today. A solution for this is the use of listed nonmetallic tanks. UL has Subject 2258 "Outline of Investigation for Nonmetallic Tanks for Oil Burner Fuels" which has been under engineering review since the late 1990's. At the time nonmetallic tanks could be listed for oil burner fuels and SU2258 was added to NFPA 31 in 2006. Since then UL has added the words "and Other Combustible Liquids" to SU2258. Their continued review of SU2258 determined that the nonmetallic tanks could be used for storing Class II, IIIA and IIIB combustible liquids. Therefore new nonmetallic tanks could be listed to SU2258 for all combustible liquids. UL allows products to be listed to a Subject in its current edition. While the subject is under engineering review it can change and new products can be listed to the latest edition. The latest edition is not retroactive to previously listed products. When the Subject is completed it is sent on to the next process to develop the actual UL standard. SU2258 will be proceeding soon for final development and publishing of the standard.

What are the steps for approving a nonmetallic tank listed to SU2258 in the 2007 MSFC?

1. MSFC Section 3404.2.7 states tanks shall be designed to 2008 edition NFPA 30.
2. NFPA 30 Section 21.4.2.1.1 states tanks shall be designed to one of the standards for above ground tanks or designed and constructed in accordance with recognized engineering standards. SU2258 is a recognized engineering design standard by UL.
3. MSFC Section 102.7 allows AHJ to accept this standard.

More information is available from the Minnesota State Fire Marshal Division at 651-201-7200. Email questions to firecode@state.mn.us or view our web page at www.fire.state.mn.us for the latest information on fire in Minnesota.

