



## Session 4B Lessons Learned from 20 Years of Large Scale Fire Testing

UL's large scale fire test facilities in Northbrook, IL became operational in 1996. In the years just prior to and subsequent to this event, new storage sprinkler technology has been developed that has been cost-effective and significantly enhanced the protection afforded for storage facilities. In addition, much has been learned regarding fire behavior and many of the important variables associated with conducting fire tests that involve sprinkler protection. A broad range of topics will be discussed during this session (along with highlight fire test videos) including Chapter 21 of NFPA 13-2016, storage sprinkler technology, antifreeze, commodity testing and other topics of interest.



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Kerry Bell is a Principal Engineer and Corporate Fellow at UL specializing in fire sprinkler and pump equipment. Mr. Bell obtained his Bachelor of Science degree in Fire Protection and Safety Engineering from Illinois Institute of Technology and an MBA degree from Northern Illinois University. He has been a registered professional engineer in the state of Illinois since 1981. He is a life member of NFPA and a Fellow member of the Society of Fire Protection Engineers. He is currently a member of more than ten NFPA committees including Residential Sprinkler Systems, Sprinkler System Discharge Criteria, Correlating Committee on Automatic Sprinkler Systems and Stationary Fire Pumps. He is currently Chair of the Technical Committee on Water Spray Fixed Systems and the NFPA Standards Council.

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