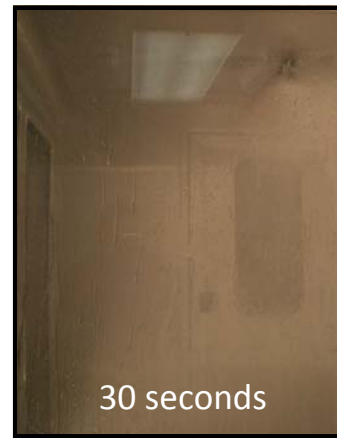


Accessible Home Fire Sprinkler Demonstration Trailer

Fire Protection Publications Research Department

Oklahoma State University

College of Engineering, Architecture, and Technology



Important Facts:

- The Accessible Home Fire Sprinkler Demonstration Trailer was designed by Oklahoma State University (OSU) Fire Protection Publications (FPP).
- A US Department of Homeland Security Assistance to Firefighters Grant funded the project.
- The trailer is accessible to people with disabilities and demonstrates the effectiveness of home fire sprinkler systems.
- The trailer has an ADA-compliant ramp that provides access to the interior viewing room. The ramp is stored in sections inside the trailer and assembled at each demonstration site.
- A 42-inch flat plasma screen mounts to the outside of the trailer to display information in a visual format such as DVDs in American Sign Language for people who are deaf.
- The viewing windows are low so that someone using a wheelchair or other mobility equipment can view a demonstration from inside or outside the trailer.
- A large clock mounted outside the trailer counts the time from ignition of the demonstration burn until the sprinklers react. The clock provides a visual demonstration of the swift sprinkler reaction time.
- Smoke alarms with features for people with disabilities are also part of the demonstration trailer.
- The trailer made its debut appearance on April 2, 2008, for the Congressional Fire Services Institute 2008 Fire and Emergency Services Showcase on the National Mall.
- As part of the Oklahoma State University outreach mission FPP provides the trailer for demonstration purposes. Contact FPP Research Coordinator Cindy Finkle for more information at 405-744-5723.



- FPP Assistant Director and Director of Research Nancy Trench was the principal investigator for the grant.
- FPP Graduate Research Assistant Steven Parker coordinated the trailer design and manufacturing.
- FPP Research Coordinator Tom Hughes coordinated the final onsite fabrication after the trailer was delivered to OSU.
- FPP Research Technician Adam Popiel, a senior in OSU's Fire Protection and Safety Technology undergraduate degree program, designed and installed the electrical system, including writing new generator specifications.