

# A Chain of Survival



Call fire department;  
Announce fire/alert others;  
Make sure everyone is safe.



Defend  
in place



Fire/smoke  
alarm sounds



Suppression  
system  
activates



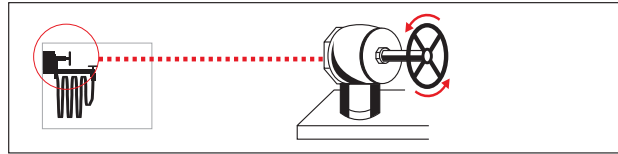
Sprinkler  
system  
activates



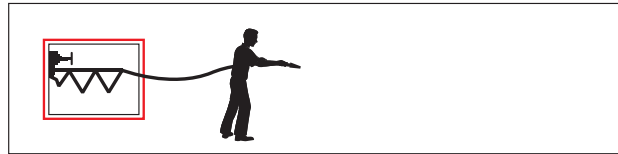
Fire  
department  
responds

The illustrated chain of survival demonstrates in a fire scenario how safety-to-life does not depend on any single safeguard. All emergency systems must work together within a balanced fire protection plan. FEMA, The Life Safety Group is dedicated to promoting this important educational message to save lives and protect property.

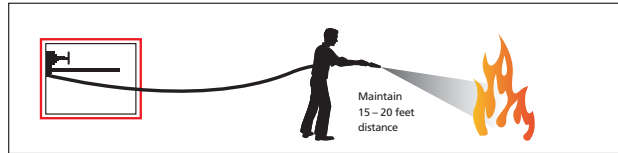
## Proper use of standpipe fire hose station:



1. Open valve completely.



2. Pull hose entirely off rack or water will not flow.



3. Water will flow when hose is free and nozzle is open.

## FEMA | the life safety group

*Saving Lives, Protecting Property*

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*Balanced Fire Protection  
to Promote Life Safety*

A Closer Look:

## Standpipe Fire Hose Stations



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# Standpipe Fire Hose Stations



## A Standpipe Fire Hose Station is a critical component of a Balanced Fire Protection Plan

A complete and balanced fire protection plan is one that includes on-site, defend-in-place fire protection equipment to protect individuals against initial developing fires. Standpipe fire hose stations are an invaluable link in the life-saving “chain of survival” that can ultimately save lives and protect property and the environment from fire. The standpipe fire hose station is critical to a balanced fire protection plan because of the fire hose rack, fire hose, and nozzle contained within it. This equipment works together to allow fast response to fire before the fire has time to spread.

Standpipe fire hose stations, along with other equipment such as fire extinguishers, are Your First Defense against small fires once the fire department has been called and everyone is safe. This is especially important where the fire department response is in excess of five minutes.

## The benefits of Standpipe Fire Hose Stations:



### Quick Suppression

Standpipe fire hose stations provide early suppression. Statistics show that standpipe fire hose stations provide on-site protection at the earliest stage of the fire and, therefore, offer quick and effective response. Occupants do not have to wait for help to arrive before a fire in its early stages can be extinguished or contained.



### One Person Operation

Standpipe fire hose stations are activated and operated by one person. This equipment does not depend on heat, smoke, or flame to spread before water can be applied to the fire. This manually activated equipment provides total reliability in the event of failure of automatic systems.



### Minimal Water Damage

Standpipe fire hose stations are ideal for extinguishing small fires. Fire hoses installed within standpipe stations can actually minimize water damage since water can be applied directly at the fire base versus indiscriminate spray from automatic systems. In addition, they can be shut off immediately after extinguishment.



### Occupant Safety/Rescue

Standpipe fire hose stations can provide a path of egress otherwise blocked by a fire. Leaving a building quickly isn't always an option during a fire. Standpipe fire hose stations can be used to clear a pathway to safety and provide temporary occupant protection.

## Fire protection and safety hinge on the first few minutes

A fire can consume a property in minutes. That is why those first critical seconds can be the difference between a single flame and a tragedy. Ninety-three percent of deaths and 95 percent of property damage occurs once the fire has progressed beyond the early stage. More fires can be extinguished early if the public and industry are educated about the importance of standpipe fire hose stations and how they can prevent fires from consuming property and taking lives.

### Consider these facts:

When fires are extinguished in the early stages:

**Loss of life is minimal.** 93 percent of all fire-related deaths occur once the fire has progressed beyond the early stages.\*

**Direct property damage is minimal.** 95 percent of all direct property damage occurs once the fire has progressed beyond the early stages.\*



\* Source: National Fire Incident Reporting System (NFIRS), National Fire Protection Association (NFPA).