



Keeping you Knowledgeable, Safe, and in Compliance!

Ernest A. Emerson Fire Protection Resource Library

A Volume From the Library



Live Fire Training

Live fire training can be dangerous, so doing it right, following NFPA 1403 – Stand on Live Fire Training Evolutions, and being prepared are all imperative.

In November 2011 the TCFP added new standards surrounding Live Fire Training – Rule §435.27 Live Fire Training Structure Evolutions. If you are a regulated entity, you must follow this new standard (In addition to Rule §427.18 Live Fire Training Evolutions) when performing live fire structure training with your trainees.

We'd like to assist you by providing some resources to help you create and perform successful, and safe, live fire training scenarios.

TCFP Library Resources

Check out these audio visual resources to learn more about performing live fire training.

First, learn why it's important to do it right:

[FIREFIGHTER TRAINING FATALITIES](#)

In 1982, Boulder, Colorado lost two firefighters in a live burn exercise in an abandoned structure. As a result, NFPA took action and developed the 'Standard on Live Fire Training Evolutions in Structures'. Sadly, training deaths are still occurring today. Every incident covered in the program demonstrates why every department should conduct live burn training in accordance with NFPA Standards. It also follows a department as they plan and execute a live burn training exercise in accordance with NFPA 1403. This program contains the sections Boulder Colorado incident, Setting the standard, Modified disaster (Parsippany, NJ incident), Life lessons (Osceola County, FL incident), and Zero tolerance (Lairdsville, NY incident). A study guide accompanies the DVD. (c.2003-DVD format 2007)

Then, use this series, accompanied by the current version of NFPA 1403, to learn to do it right:

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 1](#)

Part 1 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on the importance of running a safe and successful live burn training in a specified live burn training structure or an acquired structure. It presents information on acquiring a structure and how to prepare the building for the live fire training.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 2](#)

Part 2 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on exposure control considerations and spectator safety. It discusses exposure considerations such as adjacent buildings, utilities, vegetation, and weather awareness. Crowd control and spectator safety is also discussed.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 3](#)

Part 3 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on water supply considerations, both primary and backup supply. It discusses calculating the amount of water that will be needed and planning for the delivery of water to the live burn training site from the primary water supply as well as the backup supply.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 4](#)

Part 4 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on vehicle staging and equipment placement. Apparatus placement as well as all support vehicles including police, and EMS. Discusses layout of ingress and egress for all emergency vehicles.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 5](#)

Part 5 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on pre-burn briefing sessions. It discusses the creation of a diagram of the structural layout, establishment of crew assignments and a walk through inspection of the burn site.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 6](#)

Part 6 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on appropriate accelerants to use in live burn training. It presents the types of accelerants, how they react and burn, and the types of materials prohibited in live burn training.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 7](#)

Part 7 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on fire growth and its effect on live burn training. It presents information on how the construction of a structure or room can effect the growth and spread of a fire.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 8](#)

Part 8 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on safety issues. It presents the responsibilities of the safety officer and makes other safety recommendations to insure a safe and successful live burn training.

[FIRST LINE SUPERVISOR: LIVE BURN TRAINING PART 9](#)

Part 9 of a 9-part series for live burn training instructors based on NFPA 1403. This lesson focuses on personal protective clothing and equipment. It discusses the use of protective coats, helmet, gloves, SCBA and any related clothing and equipment. At the end of this lesson a live burn training is presented. At the end of this video a live burn training is presented.

We recently acquired a new book - [Live Fire Training: Practice and Principles](#). If you're in the Austin area, and you're interested in borrowing it, contact the [TCFP Library](#).

Rehab at Live Fire Training is Imperative

Additionally, live fire training can be [hard on firefighters](#). Have proper rehab on site when doing live fire training every time.

[Fire Fighter Suffers Sudden Cardiac Death During Live Fire Training – North Carolina \(NIOSH summary, investigation, and recommendations\)](#)

[NFPA 1582 Standard on Comprehensive Occupational Medical Program for Fire Departments](#)

If you need any other information on Live Fire Training, don't hesitate to contact us directly. We want to help you be safe!

For assistance in choosing training materials, or to make recommendations for additions to the library, please contact Laura Bucaro, the commission librarian at (512) 936-3833, via e-mail at library@tcfp.state.tx.us, or visit the [Emerson Library](#) at the commission's headquarters facility during regular business hours.

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Online Live Fire Training Resources

[Fire Engineering's Live Fire Training webpage](#)

[Live Fire Training and NFPA 1403 \(Firehouse.com\)](#)

[Training & Tactics Talk: Live Fire Training Standard Updates \(Firehouse.com podcast\)](#)

[Live Fire Training – Part 1 & Part 2 \(Firehouse.com\)](#)

[Preventing Deaths and Injuries to Fire Fighters during Live-Fire Training in Acquired Structures \(NIOSH\)](#)

(If you don't have online access to these resources, [contact our library](#) for assistance.)