

SEPTEMBER IS LIVE FIRE TRAINING MONTH

SAFE LIVE FIRE TRAINING

Live fire training is designed to ensure firefighters can operate safely in IDLH conditions and to get some experience in live fire conditions. Some Line of Duty Deaths have occurred during Live Burn training. The following standards have been developed to ensure the safety of our members during live fire training.

This section is based on our fire department conducting our own training **at a non-permanent burn structure**, using a designed evolution. It does not include liquefied petroleum gas props, other non-wood fire props or training done in acquired structures. Training done in acquired structures must meet NFPA 1403, Chapter 5, involving extensive surveys, abatement, structural repairs and other requirements that are not covered in this section.

CONTINUING EDUCATION LIVE FIRE TRAINING

All members who engage in interior structural firefighting in IDLH conditions shall be provided live fire training appropriate to their assigned duties and the functions they are expected to perform at least every three years. These are based on three year blocks such as 2014-2016, 2017-2019, and 2020-2022.

Firefighters who do not receive this training in a three-year period will not be eligible to return to an interior structural firefighting assignment until they do.

Responding to a fire scene with a full alarm assignment, an ICS established, and a post-incident analysis will meet the continuing education requirement, but for no more than two three year training periods.

NFPA 1403

When conducting their own training, fire departments must meet the requirements set out in the 2007 edition of the NFPA 1403, Standard on Live Fire Training Evolutions for live fire suppression training and structures used in the evolutions.

The Incident Commander, Instructor in Charge, additional Instructors, and Safety Officer shall have read NFPA 1403 in its entirety and demonstrate competence to the Chief before being assigned to the burn.

STUDENT PREREQUISITES

All students shall provide documentation that they have received training to meet the minimum job performance requirements for Fire Fighter I in the following topics.

- (1) Safety
- (2) Fire behavior
- (3) Portable extinguishers
- (4) Personal protective equipment
- (5) Ladders
- (6) Fire hose and streams
- (7) Overhaul
- (8) Water supply
- (9) Ventilation
- (10) Forcible entry
- (11) Building construction

INSTRUCTOR PREREQUISITES

The instructor-in-charge shall be a Fire Instructor I in accordance with NFPA 1041 and shall be responsible for full compliance with this standard.

One additional instructor (qualified by the AHJ) will be assigned to each functional crew and backup line, each of which shall not exceed five students.

The Instructors and the Safety Officer responsible for conducting live fire training evolutions with a gas-fueled training system or with other specialty props (such as flashover simulator) shall be trained in the complete operation of the system and the props by a trainer authorized by the manufacturer of the prop.

SAFETY OFFICER

A qualified Safety Officer, authorized by the AHJ with no other duties, must be assigned to the burn and have the authority, regardless of rank, to prevent unsafe acts and eliminate unsafe conditions. Additional Safety Officers may be assigned as necessary.

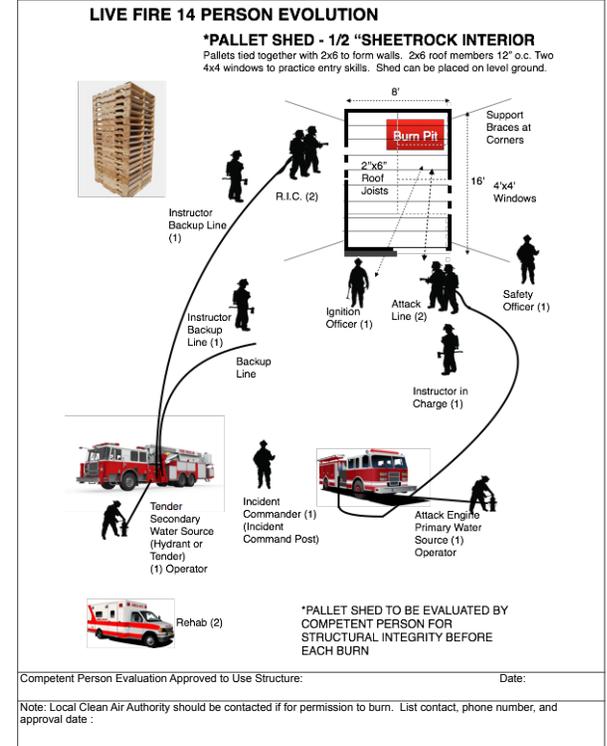
FIRE CONTROL TEAM

A fire control team shall consist of a minimum of two personnel, one person who is not a student or Safety Officer shall be designated as the "Ignition Officer" to ignite, maintain, and control the materials being burned. The second member shall be in the area to observe the Ignition Officer ignite and maintain the fire, and to recognize, report, and respond to any adverse conditions.

The fire control team shall wear full personal protective clothing, including SCBA with a charged hose line when performing this control function.

Fires shall not be ignited without an instructor visually confirming that the

Draw the Evolution, document the following: dimensions of the room, hose line placement, entrance and exit paths, victim placement, location of the command post, staging, rapid intervention, rehabilitation, operations area, apparatus, water sources, hose lines, SCBA, fuel load, and other equipment.



flame area is clear of personnel being trained. All students, instructors, safety personnel, and other personnel shall wear all protective clothing per NFPA 1971, SCBAs per NFPA 1981, PASS devices per NFPA 1982, according to manufacturer's instructions whenever they are involved in any evolution or fire suppression operation during the live fire training evolution. SCBAs must be worn in potential or actual oxygen deficient atmospheres, combustion areas, and below ground level.

COMMUNICATIONS

A method of fireground communications shall be established and communicated among the Incident Commander, the interior and exterior sectors, the Safety Officer, and external requests for assistance.

A building evacuation plan shall be established, including an evacuation signal to be demonstrated to all participants in an interior live fire training evolution. Our signal will be:

EMERGENCY MEDICAL SERVICES

Basic life support (BLS) emergency medical services with transport capabilities shall be available on site to handle injuries in a designated parking area.

Written reports shall be completed and submitted on all injuries and on all medical aid rendered.

WATER SUPPLY

training evolutions shall meet the criteria identified in *NFPA 1142, Standard on Water Supplies for Suburban and Rural Fire Fighting*. Separate water sources shall be utilized for the supply of attack lines and backup lines in order to preclude the loss of both water supply sources at the same time. Each hose line and backup line(s) shall be capable of delivering a minimum of 95 gpm (360 L/min). A minimum reserve of additional water in the amount of 50 percent of the fire flow demand, determined in accordance with NFPA 1142.

FUEL MATERIALS

The fuels that are utilized in live fire training evolutions shall only be wood products and documented in the training evolution. Fuel-fired buildings and props are permitted to use the appropriate fuels for the design of the building or prop. Flammable liquids, Pressure-treated wood, rubber, plastic, polyurethane foam, upholstered furniture, and chemically treated or pesticide-treated straw or hay **shall not** be used. Fuel materials shall be used only in the amounts necessary to create the desired fire size and to avoid conditions that could cause an uncontrolled flashover or backdraft.

PARKING / STAGING / SPECTATORS

Areas for the staging, operating, and parking of fire apparatus that are used in the live fire training evolution shall be designated.

Ingress and egress routes shall be designated, identified, and monitored during the training evolutions to ensure their availability in the event of an emergency. All spectators shall be restricted to an area outside the operations area perimeter established by the Safety Officer.

PRE-BURN PLAN

A pre-burn plan shall be prepared and shall be utilized. Prior to conducting actual live fire training evolutions, a pre-burn briefing session and walk thru for familiarity of the prop shall be conducted by the Instructor-in-charge with the Safety Officer for all participants.

SEPTEMBER SUGGESTED TRAINING SCHEDULE

	TRAINING SUGGESTION	DEPARTMENT ACTUAL TRAINING SCHEDULE
WEEK 1 DATE:	DENVER DRILL	
WEEK 2 DATE:	PROPANE PROP	
WEEK 3 DATE:	LIVE FIRE	
WEEK 4 DATE:	PUMPS NOZZELS HOSES DRAFTING	
OPTIONAL FULL DAY:	LIVE FIRE	
OTEP DATE:		

Exits will be marked in the prop to help participants if they become disoriented.

Property adjacent to the training site that could be affected by the smoke from the live fire training evolution, such as roadways, railroads, airports or heliports, and nursing homes, hospitals, or other similar facilities, shall be identified.

(WFC Sample Policy 12.05.02)



WRITTEN EVOLUTION REQUIRED:

All Live Fire Training must be done by a qualified Instructor I using an AHJ approved Live Fire Training Evolution Form covering all NFPA 1403 requirements.

See

Reference: WAC 296-305-05502 (7), NFPA 1403 NFPA 1403

Customize our program:
