



ORANGE COUNTY DEPARTMENT OF EMERGENCY SERVICES DIVISION OF FIRE SERVICES

LIVE BURN GUIDELINES

Purpose:

To establish and identify the minimum acceptable guidelines necessary relative to live fire training at the Orange County Fire Training Center (OCFTC). NFPA #1403 (2012), #1500, OFPC Live Fire Training Policy and other standards were used as guidelines for the development of this policy.

1.0 General

The safety of instructors, students and visitors shall be the primary concern during any activities conducted at the OCFTC.

Training shall be curtailed, postponed or cancelled when extreme weather conditions pose a risk of injury or illness. OFPC guidelines with respect to weather-related training limitations may be utilized for making such determinations. While it is the responsibility of the individual departments to ensure the safety of their members, any decision made by the OCFTC staff on duty to restrict training will be final.

These guidelines shall be adhered to by all instructors and students when conducting "Class A" burn evolutions at the OCFTC. All evolutions must follow the guidelines of NFPA #1403, OCFTC General Rules & Regulations, and this policy.

The OCFTC Live Burn Checklist shall be utilized for individual FD drills. OFPC classes will follow the OFPC policy and procedures, provided they do not conflict with OCFTC policy.

Instructor qualifications, water supply, student prerequisites and other requirements as set forth in this guideline and NFPA #1403, shall be met prior to commencing live fire evolutions.

No person(s) shall play the role of a victim during live fire training evolutions.

2.0 Student Prerequisites (OFPC Firefighter I or equivalent meets these requirements)

2.1 Prior to being permitted to participate in live fire training evolutions, students shall have received training that meets the NFPA #1001, Firefighter I minimums in the following topics:

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

3.0 Safety Officer

- 3.1 A safety officer shall be appointed for all live fire training evolutions.
- 3.2 The responsibilities of the safety officer shall include, but not be limited to, the following:
 - 1) Prevention of unsafe acts
 - 2) Elimination of unsafe conditions
- 3.3 The safety officer shall have the authority, regardless of rank; to intervene and control any aspect of the evolution they deem to be unsafe or dangerous.
- 3.4 The safety officer shall not be assigned other duties that interfere with safety responsibilities.
- 3.5 The safety officer shall be responsible for adherence to NFPA #1403, Sec 4.4, *Safety Officer* in regards to adding additional safety personnel, and any other aspect not already referenced in this policy.

4.0 Instructors

- 4.1 The lead instructor shall have training that meets the minimum JPR's of Fire Service Instructor I (FSI-I) as set forth in NFPA #1041, *Standard for Fire Service Instructor Professional Qualifications*. Topics to include:
 - 1) Program Management
 - 2) Instructional Development
 - 3) Instructional Delivery
 - 4) Evaluation & Testing(OFPC FSI-I course meets these requirements)
- 4.2 The lead instructor shall be responsible for full compliance with NFPA #1403 and this policy.
- 4.3 All instructors shall have the OFPC Live Fire Safety (1A) and Conducting Live Fire Evolutions (1B) courses and be qualified by their AHJ to deliver live fire training.
- 4.4 Instructors shall be responsible for adherence to NFPA #1403, Sec 4.6, *Instructor in Charge and Instructors*, with regards to any other aspect not already referenced in this policy.

5.0 Fire Control Team

- 5.1 A fire control team consisting of an ignition officer and at least one other member shall be established.
- 5.2 The decision to ignite shall be made by the lead instructor in coordination with the safety officer and shall be done by the ignition officer.
- 5.3 A member of the fire control team shall observe the ignition officer ignite and maintain the fire, and be in the area to assist with any adverse conditions.
- 5.4 A charged hose line shall be available while the fire control team ignites and maintains the fire.
- 5.5 The lead instructor shall be responsible for adherence to NFPA #1403, Sec 4.7, *Fire Control Team*, with regards to any other aspect not already referenced in this policy.

6.0 Water Supply

- 6.1 Apparatus used to supply attack and backup lines must be capable of supplying an 1 ½” hose line as a minimum.
- 6.2 To ensure that the attack lines and backup lines are from independent sources, the unit supplying the attack line will be supplied from a hydrant and the backup unit will be supplied from draft. Exception to setting up a draft for the backup lines will be for a unit with a tank capacity of 1,500 gallons or more. This unit will be resupplied from a hydrant, but will utilize tank water when operating. Tank must be full at the start of each evolution.
- 6.3 All hose lines shall be flowed to ensure proper operation.

7.0 Back-up Team or FAST/RIT

- 7.1 While not a specific requirement of NFPA #1403, in adherence to OFPC’s Live Fire Training Policy, and for the safety of the firefighters participating in the live fire training evolution, a Back-up or FAST / RIT team shall be established.
- 7.2 Minimum of 4 members.
- 7.3 Must be trained to FF I or equivalent and certified “Interior” by their AHJ.
- 7.4 Shall establish communications with Command Post and Lead Instructor.

8.0 Evacuation Procedures

- 8.1 All participants shall be briefed on the evacuation procedures prior to commencing live fire training.
- 8.2 Three (3) long blasts of an air horn shall signify immediate evacuation of the building.
- 8.3 An emergency evacuation assembly area shall be established.
- 8.4 Instructors shall take a Personal Accountability Report (PAR) to ensure that all participants are accounted for.