



**City of Winchester
Fire & Rescue Department
STANDARD OPERATING PROCEDURE**



Section:	Training	SOP:	12.3
Subject:	Live Fire Training Exercises	Execute d:	March 1, 2011
		Revised:	August 30, 2011
Approved:  Scott Cullers, Fire Chief			

PURPOSE

The purpose of this document is to establish policies for the safe and effective use of live fire training exercises at the Winchester Regional Fire Training Center.

OBJECTIVE

The intent of all live fire training is to provide the safest possible environment for all personnel while engaged in live fire training exercises meeting local, state and federal guidelines for live fire training.

REGULATIONS

For all live fire training exercises, the Winchester Fire and Rescue Department (WFRD) will follow the current editions of the National Fire Protection Agency “NFPA 1403 Standard on Live Fire Training Evolutions” and the Virginia Department of Fire Programs (VDFP) “Policy for Conducting Live Fire Training Evolutions”.

DEPARTMENT STANDARD OPERATING PROCEDURES

The following Winchester Fire and Rescue policies shall be used in conjunction with the regulations above during any live fire training exercise:

1. SOP 8.2 Incident Command System (ICS)
2. SOP 8.3 Accountability System
3. SOP 8.4 Two-in Two Out policy
4. SOP 8.5 Mayday! Rapid Intervention Team
5. SOP 3.1 Respiratory Standard Program
6. SOP 5.1 Fire Hydrant Use and Notification

7. SOP 6.1 Dispatch Procedures and Radio Communications

8. SOP 6.2 Portable and Mobile Radio Use

9. SOP 7.5 Cold Weather and Apparatus

10. SOP 8.6 Rehab

11. SOP 8.7 Structure Fire Air Monitoring

12. SOP 12.2 Training Center Operations Manual

INSTRUCTORS

The instructor cadre shall follow the current policy contained in the Virginia Department of Fire Programs (VD FP) “Policy for Conducting Live Fire Training Evolutions”.

INCIDENT ACTION PLAN

An incident action plan shall be created and implemented prior to any live fire training exercise conducted by the Winchester Fire and Rescue Department. At a minimum an organization chart, operational period objectives with detailed scenario information, resource utilization summary, contingency considerations and a communication plan shall be included in this action plan.

OPERATIONS

1. **Training Objectives** - outline the purpose of the training event and the goals to be accomplished
 - a. Identify the training scenarios in detail from the “Incident Action Plan”
2. **Safety Brief** – shall be conducted with all participants at the training exercise. This brief shall be conducted with the instructors separately and then the group together. Items included but not limited to shall include:
 - a. Weather conditions
 - b. Condition D status
 - c. Medic unit staging location
 - d. Command structure overview
 - o Review the IAP organizational structure
 - e. Safety Officers
 - o Identify the role of the ISO and their location (interior and exterior)
 - f. Accountability setup and use
 - o Collect all accountability tags and prepare the command board
 - g. Communication channels
 - o Operating channel
 - o ECC notification
 - h. Evolution maximums
 - o Identify IDLH participants and maximum evolutions

- o No more than two consecutive evolutions then participants must rehab
 - i. Evacuation procedures
 - o Follow department guidelines for incident evacuation procedures.
 - j. Outside Temperature
 - o Outdoor temperature requirements shall follow department SOP limitations and shall be recorded prior and post training by the IC
 - o The Safety Officer shall monitor and cease all activity regarding hazardous weather related conditions
 - o Weather conditions shall be recorded prior to and post training.
 - k. Known hazards identified
 - o All known hazards in all zones of the training environment shall be identified to the participants
 - l. Hot, warm and cold zone identification and minimum equipment requirements
 - o Hot zone – Complete turnout ensemble with SCBA apparatus (any IDLH environment)
 - o Warm zone – Complete turnout ensemble (All immediate asphalt pad area up to a designated area)
 - o Cold zone – Department uniform (grass area, parking, restrooms, classrooms)
 - m. Burn structure walk through
 - o Complete walkthrough of the burn structure identifying the exits and rooms to be burned in shall be conducted prior to any training exercise
 - n. Burn material restrictions
 - o 3 pallets and 1 bale of hay (maximum at any one time)
 - o Maximum of two (2) fires at anyone time
 - o. Temperature monitoring requirements
 - o Temperature monitoring system use
 - o Thermal imaging camera use prior to entry and post evolution
 - o Recording of temperature and time
 - o 1000 degree maximum
 - p. Cease of operations due to actual emergency calls
 - o Outline available units while training is being conducted
 - o Use of evacuation procedures to alert participants of emergency incidents
3. **Medical Monitoring** – shall be conducted on all participants that will enter into an IDLH environment by the assigned medical officer and his/her designees.
- a. Baseline vitals shall be obtained prior to entering an IDLH environment.
 - o Clearance to participate in live fire exercises shall follow the VDFP Live Burn Accountability form.
 - b. Pose Entry vitals
 - o All personnel engaged in IDLH environments shall be medical monitored after each entry.
 - o Documentation shall be logged on the VDFP Live Burn Accountability form.
 - c. Rehab location

- Identify the location of rehab
- Identify what is available in the rehab area
- All personnel must rehab after two scenarios
- d. Injury care and reporting
 - All injuries shall be reported to an instructor or officer as soon as practical
 - Injury care shall be administered immediately upon notification
 - Injury documentation shall follow Department policy

4. Equipment Requirements

- a. Gear inspection prior to any training exercise shall be conducted by the Safety officer and recorded on the VDFP Live Burn Accountability form
 - Pre-entry approval for gear
 - Post entry inspection for damage to equipment
 - Decon of equipment
- b. Minimum training equipment requirements
 - Attack pumper
 - Backup pumper
 - Dump Tank
 - Air Trailer
 - Two charged hose lines (entry and RIT)
 - One charged hose line (ignitor)
 - RIT bag
 - Irons
 - Thermal Imaging Camera (TIC)
 - Rescue Mannequins

5. Termination, Overhaul and Cleanup

- a. All participants shall assist in the cleanup of the training environment
- b. Detection and monitoring of training environment (post training)
 - Use of 4-gas meter and Hydrogen Cyanide meter shall be used to determine the post IDLH environment.
 - This shall be recorded by the Safety officer
 - Determination of overhaul PPE requirements will be made by the Safety Officer

6. Post Briefing

- a. Assemble all for brief
- b. Report Injuries
- c. Report gear issues
- d. Comments on the training

LOGISTICS

The following items shall be assembled in advance of any training exercise being conducted at the Winchester Regional Fire Training Center:

Bottled Water
Cooler

Ice
Misting fan
Camera
Diesel Fuel
Air trailer
EMS forms
Attendance form
Minimum training equipment identified above
Medical monitoring equipment
Thermal imaging camera
Gas meters