

Central Joint Fire District

Standard Operating Procedure



Central Joint Fire District

SUBJECT: Acquired Structure Evaluation

SOP Number: 221
Effective Date: 4/7/92
Revised Date:
Approved:

PURPOSE: It is the intent of this fire department to provide the highest level of training and education to all personnel while maintaining the highest degree of safety during training activities. This procedure provides the basic guidelines that must be followed to prevent injuries during raining evolutions.

SCOPE: This procedure applies to all personnel conducting or involved in any official training provided by the fire department either on fire department property or any other designated site used for training.

ENFORCEMENT: The Training Officer, Fire Chief, and/or Safety Officer have the authority for enforcement of this policy. In addition, any officer or firefighter conducting or participating in any fire department training activity has the responsibility to adhere to this procedure. Authority to deviate from the procedure rests solely with the Training Officer who bears full responsibility for the results of any deviation.

APPLICATION: The following checklist shall be used as a basis for all live fire training. Form F155.221 shall be completed when conducting live fire operations. Forms F155.221A, F155.221B, F155.221C, F155.221D shall be utilized when briefing personnel.

LIVE FIRE CHECK OFF LIST FOR ACQUIRED STRUCTURES

Instructor in Charge: _____

Exact Address of Structure(s): _____

Dates of Training: _____

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION I – PERMITS, DOCUMENTATION & NOTIFICATIONS

Written documentation received from Owner:

- _____ Permission to burn structure (attach copy)
- _____ Letter of insurance cancellation or waiver (attach copy)
- _____ Acknowledgement of post-burn property condition

PERMITS

- _____ Local burn permits received (EPA & local FD)
- _____ Permission to use hydrant water
- _____ Additional permits

NOTIFICATIONS

- _____ Dispatch offices (police, fire): List of dates and times
- _____ Affected police agencies
- _____ Owner(s) and adjacent property owners of burn date(s) and time(s)

SECTION II – PREBURN PLANNING

DRAWINGS

- _____ Site plan (including exposures)
- _____ Floor Plan

Plans must show the following items:

1. Location of Command Post
2. Position of all Apparatus
3. Position of all hose lines, including all backup lines
4. Location of emergency escape routes
5. Location of emergency evacuation assembly area (Recall)
6. Location of ingress and egress routes for emergency vehicles
7. Location of water supply (Primary and Backup)

WATER SUPPLY REQUIREMENTS

- _____ Required fire flow determined for the burn structure and any exposures: Total GPM _____
- _____ Required reserve flow determined (50% total GPM) _____
- _____ Primary water supply flow: GPM _____ Type _____
- _____ Backup water supply flow: GPM _____ Type _____
- _____ If drafting from a static source estimate total amount of water source available: _____ gal.
- _____ Apparatus pumps obtained that meet required fire flow for the burn structure and exposures. (Total combined GPM) _____
- _____ Separate water sources established for attack and backup lines

Reliability should be considered when determining what constitutes separate sources. The intent of this section is to prevent simultaneous loss of both attack lines and backup lines in the event of a pump or water supply failure. If a public water supply system is used, two pumpers on two different hydrants should be used. Two pumpers drafting from the same supply source would also be appropriate if the source contains sufficient usable water. Separate pumps of sufficient capacity should be used for both the attack and backup lines.

SECTION III – BUILDING PREPARATION

_____ Building inspected to determine structural integrity (3 inst. Minimum)

By:	Date:
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____

_____ All utilities disconnected

	By:	Date:
Electric	_____	_____
Gas	_____	_____
Telephone	_____	_____
Water	_____	_____
Other	_____	_____

- _____ Highly combustible interior wall and ceiling finishes removed
- _____ All holes in walls and ceilings patched
- _____ Materials of exceptional weight removed from above training area
- _____ Ventilation openings of adequate size precut for each separate roof area
- _____ Building components checked and operated

Automatic Ventilators	_____	Mechanical Equipment	_____
Roof Scuttles	_____	Lighting Equipment	_____
Windows	_____	Standpipes	_____
Doors	_____	Sprinklers	_____

- _____ All boarded doors and windows covered on the outside of the building
- _____ Stairways safe, with railings in place
- _____ Chimney checked for stability (remove if necessary)
- _____ Fuel tanks and closed vessels removed or adequately vented
- _____ Unnecessary debris removed – may be piled in one area of the room not being used
- _____ Porches and outside steps made safe
- _____ Cisterns, wells, cesspools, and other ground openings fenced or filled
- _____ Hazardous trees, brush, and surrounding vegetation removed
- _____ Exposures such as buildings, trees, and utilities removed or protected
- _____ All extraordinary exterior and interior hazards remedied

Condition of Structure

Risk Factors

Good	_____	Extreme	_____
Fair	_____	High	_____
Poor	_____	Low	_____
Down	_____	None	_____

**SECTION IV – LIVE FIRE EVOLUTIONS
PREIGNITION PROCEDURES**

BRIEFING

_____ All participants briefed on structure layout

By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____
By: _____	Date: _____

_____ Crew and instructor assignments

_____ All participants briefed on safety rules

_____ Building evacuation procedure – demonstrate evacuation signal type: _____

_____ Instructors briefed on training objectives and assignments. Must meet one hour prior to students on date of burn

SAFETY CHECK

_____ Staging officer assigned Name: _____

_____ Approved protective clothing

_____ Approved SCBA

_____ Adequate SCBA air volume Source _____

Extra tanks _____

_____ All safety equipment properly donned

_____ Safety officer assigned Name: _____

_____ Lead instructor interior attack Name: _____

_____ Lesson plan established (attach copy)

_____ Operations area established and perimeter know to all participants

_____ Communications frequencies established, equipment obtained

_____ Number of radios

PERSONNEL

_____ Group leaders assigned

Name: _____ # of students _____

Name: _____ # of students _____

Name: _____ # of students _____

Name: _____ # of students _____

Name: _____ # of students _____

Name: _____ # of students _____

Inst/student ratios: Basic 1:2 Advanced 1:3 Inservice 1:4

Max. ratio allowed in the building

APPARATUS & EQUIPMENT

- _____ Apparatus in position
- _____ Necessary tools and equipment positioned
- _____ All hose lines (attack and backup) simultaneously charged and flow tested to insure adequate flows
- _____ Ladder(s) to second floor areas in place

FIRE SETS

- _____ Fire sets prepared – after building is prepared
 - no flammable liquids – Class “A” materials only and no contaminated materials.
 - Class “B” materials only after wet down for multiple relight
 May be #2 Diesel Fuel
 - _____ Training critique conducted
- By: _____ Date: _____

RECORDS & REPORTS

- _____ Accounting of activities conducted
- _____ Documentation of unusual conditions or events

Injuries and treatment rendered Yes _____ No _____

NOTE: _____

- _____ Student training records - certificates of completion
 - _____ Building and property released to owner
- Date: _____ Time: _____