

# **Curtis J. Cook**

## **TRAINING FACILITY**

### **LIVE BURN EXERCISES**

**March 2007**

**Purpose:**

The purpose of this guideline is to reduce risk and provide injury prevention during live burn exercises at the Curtis J. Cook Training Facility.

**Scope:**

This guideline extends to all who use the facility. The lead instructor/coordinator on site is responsible for complete adherence to this guideline.

## **800 DEGREES ABSOLUTE MAXIMUM ALLOWABLE – NO ENTRY**

### **All Live Fire Evolutions Personnel Requirements**

- Incident Commander
- Safety Officer
- Accountability (Safety Officer and Accountability may be combined under certain circumstances)
- One instructor per fire floor minimum
- This totals to a minimum of 4 “instructors” for one burn room, 5 for two rooms

### **When Demonstrating Thermal Layering**

- LEL meter sensors (kitchen and bedroom) must be covered/isolated from smoke contamination
  - Combination burns using Class A materials and LPG simulations are not allowed
- Use a burn barrel with wood pieces
- Use portable LPG with paper to begin ignition
- Full PPE & SCBA required during lighting and operations
- Monitor all students at all times
- Students may remain in the room if ceiling temperature is below 350 degrees

### **Live Burn Evolutions Utilizing Class A Materials**

- Use approved class A combustibles considering fire load maximums
  - An experienced instructor/coordinator is responsible for this action
  - Use portable LPG with paper to begin ignition
  - Full PPE & SCBA required during lighting and operations
- 750 degrees maximum allowable
  - Use sprinkler system or hose to reduce temperature
  - Do not enter the burn room; apply from outside

- No sitting/observing in fire rooms
- Fire Attack
  - Full PPE & SCBA
  - Knock down
  - Move forward/backward and get out

#### **Live Burn Evolutions Utilizing LPG Simulators**

- A qualified operator must remain at the control panel at all times and be in direct communications with the IC and Safety Officer
- The operator must follow the prescribed Pro-Safe Start Up and Operation Procedures
- Qualified operators must be certified by the PFD Training Division

#### **LPG Field Evolutions**

- Use extreme care in preventing gas release with all personnel in a safe location
- Two instructors – one at control station, one at lighting point, full PPE at lighting point including hood and shield half way. No SCBA required.