



# Fire Protection Training

Procedures Handbook 4300

SALVAGE & OVERHAUL

**TOPIC:** Procedures for Extinguishing Hidden Fires

**TIME FRAME:** 1 Hour

**LEVEL OF INSTRUCTION:**

**BEHAVIORAL OBJECTIVE:**

*Condition:* A written quiz

*Behavior:* The student will recognize procedures for extinguishing hidden fires.

*Standard:* With a minimum 70% accuracy

**MATERIALS NEEDED:**

- Appropriate visual aids
- Audio visual equipment

**REFERENCES:**

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 12
- IFSTA, Salvage and Overhaul, 7th Edition, Chapter 7

**PREPARATION:** When called upon to fight fire, most fire fighters will do a good job of extinguishing the main body fire. You as a firefighter, must also make sure hidden fires (in walls, shafts, hay bales, etc.) are completely extinguished. There is nothing more embarrassing than leaving a fire you have extinguished and being called back to put that same fire out again. As a professional, you should do a thorough and efficient overhaul job.



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PROCEDURES FOR EXTINGUISHING  
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PRESENTATION	APPLICATION
<p><b>I. PROTECTION</b></p> <ul style="list-style-type: none"> <li>A. Full Protective Clothing and SCBA Should be Worn during Operation</li> <li>B. SCBA is Worn until Area is Clear of All Products of Combustion</li> <li>C. Beware of Electrical Lines and Plumbing when Breaching Walls</li> </ul> <p><b>II. HOSELINES</b></p> <ul style="list-style-type: none"> <li>A. Charged Lines Should Always be Available</li> <li>B. Smaller Lines Can Be Used during Overhaul</li> <li>C. Depending Upon Materials to be Extinguished, You May Use               <ul style="list-style-type: none"> <li>1. Straight stream for penetrating tightly packed materials</li> <li>2. Fog for most overhaul                   <ul style="list-style-type: none"> <li>a. Will not scatter material like a straight stream</li> </ul> </li> </ul> </li> </ul> <p><b>III. REMOVAL OF BURNING DEBRIS FROM STRUCTURE</b></p> <ul style="list-style-type: none"> <li>A. Place small burning objects in a container of water if possible rather than applying water directly( sinks, tubs, sump basins)               <ul style="list-style-type: none"> <li>1. Pillows, clothing, draperies, pieces of upholstery can be dunked the same way</li> </ul> </li> <li>B. Larger Items</li> </ul>	<p>When can SCBA be taken off?</p>



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<ul style="list-style-type: none"><li>1. Mattresses, stuffed furniture, bedding should be moved outside where they can be more easily and thoroughly extinguished</li><li>2. Notify investigators before anything is moved or altered</li></ul> <p><b>IV. WETTING AGENTS</b></p> <ul style="list-style-type: none"><li>A. Can Be Very Useful on Hidden Fires Involving:<ul style="list-style-type: none"><li>1. Cotton</li><li>2. Baled goods</li><li>3. Upholstered goods</li><li>4. Other such materials</li></ul></li></ul> <p><b>V. DUST LADEN AREAS</b></p> <ul style="list-style-type: none"><li>A. Require Overhaul be Carried Out in a Careful Manner<ul style="list-style-type: none"><li>1. If care is not exercised, you could dislodge dust</li><li>2. Smoldering fires could cause ignition</li></ul></li><li>B. When Using Water in Dust Laden Areas, Apply Light Fog Streams, Take Care to Minimize Dust Movement</li><li>C. Wetting Agents Can be Helpful</li></ul> <p><b>VI. GRAIN BINS/PRODUCT STORAGE BINS THAT EMIT DUST</b></p> <ul style="list-style-type: none"><li>A. If Fire Extension Suspected</li></ul>	<p>What special problems might you incur in a dust laden area?</p>



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<p>B. Wet Down Sufficiently or Immerse in Water</p> <p><b>VII. BALED HAY/LIVESTOCK FEEDS</b></p> <p>A. May Have to Use Heavy Equipment to Separate Bales</p> <p>B. Wetting Agents Can be Very Helpful in Penetrating Materials</p>	<p>What type of extinguishing agent is very useful in these materials?</p>



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## **SUMMARY:**

Extinguishing hidden fires is very important on any fire you may fight. There are a variety of ways to put these fires out. Wetting agents, water and common sense if applied will get the job done. It is important to remember that safety procedures must be maintained throughout this task. Many fire fighters have suffered painful and needless injuries due to negligence during this phase of fire fighting. Do not let that happen to you. Think safely at all times.

## **EVALUATION:**

A written quiz.

## **ASSIGNMENT:**

To be determined by instructor(s).