



Fire Protection Training

Procedures Handbook 4300

PERSONAL PROTECTIVE EQUIPMENT

TOPIC: WILDLAND SAFETY UNIFORM

TIME FRAME: 1:00

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: A written examination

Behavior: The student will describe the procedures to put on the wildland uniform.

Standard: With a minimum 70% accuracy

MATERIALS NEEDED:

- Wildland Safety Uniform
- Video: Your Personal Wildland Safety Equipment
- Video: Kelly York Story

REFERENCES:

- Wildland Firefighting, Clayton, Day, McFadden

PREPARATION:

Proper protective clothing is issued to each fire fighter and its use is mandatory. Your personal safety and your value as a crew member depend on your utilization of this safety uniform.



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

PRESENTATION

APPLICATION

NOTE: Hand out information sheet #1: 4305.1, Uniform Inspection Checklist.

I. TERMINOLOGY

NOTE: All wildland safety uniform components shall meet with OSHA and department specification

A. Wildland safety uniform checklist

1. Safety helmet
2. Chin strap
3. Goggles
4. Gloves
5. Nomex shroud
6. Nomex shirt
7. Nomex pants
8. Cotton underwear
9. Lug-soled work boots with 8" high top
10. Uniform pants

11. Fire shelter
12. Web belt

II. USE

- A. Proper fit for each individual
- B. Proper adjustment

What other safety items need to be considered?

4305.1



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

PRESENTATION

APPLICATION

1. Safety helmet
 - a) Adjust headband and head strap
 - 1) It is the responsibility of the firefighter to ensure that his/her equipment is properly adjusted

2. Goggles
 - a) Pull rubber strap to secure but keep comfortable
 - b) Be sure lens is clean
 - 1) Glasses are not a substitute for goggles

NOTE: Discuss problems which can occur with poorly fitting clothing

3. Fire resistant shroud
 - a) Fasten in front for fires and wear down, on back and outside of hard hat when in ready position
 - b) Do not roll up shroud inside between suspension system and helmet
 - 1) This defeats the separation principle which provides for maximum cushioning of impact on shell
 - 2) It also cuts down on ability to release heat from around the head
 - c) Bandanas will not be worn as a substitute for Nomex shrouds

- C. Use full wildland safety uniform during active fire fighting operations

4305.1



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

PRESENTATION

APPLICATION

- D. Follow supervisor's directions regarding loosening of uniform during mop-up operations
 - 1. Supervisors are aware of potential heat-related injuries. Ask permission before unzipping safety clothing

III. CARE AND MAINTENANCE

- A. Replace worn-out or damaged clothing or items (i.e., goggle lenses, torn Nomex)

NOTE: Point out ways damage can occur

- B. Proper laundering of clothing
 - 1. As specified on manufacturer's care label
 - a) Wash separate from other types of clothing
 - b) No starch or bleach
 - c) Machine wash
 - 1) Warm
 - d) Tumble dry
 - 1) Low

- C. Safety helmet
 - 1. Cleanliness
 - a) Headband
 - b) Straps
 - 2. No modifications
 - 3. Do not clean plastic hat with solvents, use soap and water

4305.1



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

PRESENTATION

APPLICATION

- 4. Proper identification
 - a) Color and/or striping identifies rank; decal for camp identification
- D. Goggles lens kept clean
 - 1. Clean with water and tissue paper
 - a) Avoid abrasives

IV. SAFETY

- A. Clothing is FIRE RESISTANT not FIRE PROOF (requires safe working practices and common sense)
- B. Fire resistant clothing offers no insulation, so cotton and other undergarments become important in reducing exposure to radiant heat burns
 - 1. Air between skin and undergarment, and undergarment and nomex is critical part of insulation
- C. Safety uniform and equipment is only good if it is properly worn
 - 1. Sleeves to be rolled down and fastened
 - 2. Shroud immediately available
 - 3. Shirt worn outside pants
 - 4. Shirt buttoned
 - 5. Appropriate use of gloves and goggles
 - a) Gloves protect from:

Why is a cotton T-shirt required?



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

PRESENTATION

APPLICATION

- 1) Mechanical damage or trauma
- 2) Heat
- b) Gloves made of fire resistant leather and long nomex wrist gauntlet
6. Cotton T-shirts to be worn under nomex at all times
7. Nomex pants must fit properly over bloused work pants
8. Fire shelter, web belt, and canteen worn outside nomex shirt
 - a) Fire shelter must be worn at the side and accessible with both hands
- D. Physical fitness and training exercises while wearing safety uniform will help the body acclimate to the added body heat caused by fire resistant fabrics
- E. Because of the added body heat caused by these fabrics, it is important that potassium and body fluids be replaced

V. STORAGE

- A. Proper place and procedure for keeping wildland safety uniform
 1. Store in fire engine, CCV, or appropriate storage area when not in use
- B. Responsibility for lost items
 1. You are accountable for all items issued to you

4305.1



Fire Protection Training

Procedures Handbook 4300

WILDLAND
SAFETY UNIFORM

SUMMARY:

The proper care and use of your safety uniform is vital to your performance as a firefighter. Using all of your safety clothing is mandatory and non-compliance will not be tolerated.

EVALUATION:

The student will complete a written exam at a time to be determined by the instructor.

ASSIGNMENT:

Review your notes in order to prepare yourself for the upcoming exam. Study for the next session.