

Basic Crew Member One-Day Training Course Recommendations

FIRE BEHAVIOR

The fire triangle – fuel, heat and oxygen

Fuel Characteristics

1. *Fuel moisture*
2. *Fuel types – grass; brush; oak woods;*
3. *Distribution of fuels; fuel loading*

Weather – effects of on a fire

1. *Temperature*
2. *Wind*
3. *Precipitation*
4. *Cold fronts and thunderstorms*

Relative humidity – what it is and how it effects fire behavior

1. *Relative humidity and temperature change*
2. *Relative humidity and fuels*
3. *Relative humidity prescription ranges*

Atmospheric stability

1. *Inversion:*
2. *Firewhorls*

Topography

1. *Aspect:*
2. *Slope:*

BURNING TECHNIQUES

Parts of a fire/ Types of fire

1. *Back Fire*
2. *Head fire*
3. *Flank fire*
4. *Strip head fire*
5. *Spot fire*
6. *Ring fire*
7. *Spotting*
8. *Crown fire*

Fire suppression

Firebreaks – what kinds, how to construct them

Mop-up – techniques; how much

BURN CREW ASSIGNMENTS

Hierarchy: Chain of command; importance of following instructions

1. *Fire Leader/Burn Boss*
2. *Squad Boss/Line Boss*
3. *Fire Crew Member – spotter; igniter; line crew*

FIRE PLANNING

Fire prescription/ plan: what it is in general and what information is in it

Protective Attire

1. *No synthetic clothing; no fraying*
2. *Leather gloves, leather boots, hard hat,*
3. *Fire resistant coverall or shirt and pants*

Safety

LACES: Lookout; anchor point; communication; escape routes; safety zones

EQUIPMENT OVERVIEW and HANDS ON PRACTICE

1. *Drip torch*
2. *Backpack pump*
3. *Flapper; Brooms; Rakes; Pulaski*