











REM 244: Initial Attack Overview

Prior to deciding tactics to use on a fire, you first need to determine whether the situation demands offensive or defensive actions.

fire.



Point Fire Blowup (1985)

Offensive Actions: Confine and control the fire using perimeter control (i.e. fireline). Offensive actions can use direct or indirect attack strategies.

Defensive Actions: Used when offensive actions are too hazardous or when insufficient resources are available. Defensive actions are used to minimize effects and not control the

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Sources: NWCG Glossary, Pyne et al (1996), TEIE (2005)

REM 244: Direct Attack

Direct attack (or direct line) is defined as "any treatment applied directly to burning fuel such as wetting, smothering, or chemically quenching the fire or by physically separating the burning from unburned fuel". (NWCG)



Used: • Light fuels or fuels with high moisture content. • Low intensity fires (flame length < 4 feet) • Small fires and on flank or rear of larger fires •Safest, "One foot in the Black"

Disadvantages: • Firefighters can be exposed to heat and smoke • Lines can be long and irregular leading to more mop up and patrol

REM 244: Direct Attack

An anchor point is defined as "an advantageous location, usually a barrier to fire spread, from which to start constructing a fireline. The anchor point is used to minimize the chance of being flanked while the line is being constructed." (NWCG)

Advantages: Relatively safe tactic as

Relatively safe factic as firefighters can keep one foot in the black (i.e. fight from the black)
No additional (unnecessary)

- No additional (unnecessary) areas are burned
- Full advantage is taken of burned out areas
- Comes with less uncertainties than backfiring

Sources: NWCG Glossary, Pyne et al (1996), TEIE (2005), http://www.coloradofire.com http://www.coloradofirecamp.com















REM 244: Indirect Attack

Indirect Attack is defined as a "method of suppression in which the control line is located some considerable distance away from the fire's active edge." (NWCG)



Indirect attack methods are used when direct attack is not possible or safe.

As in military strategy when fighting a stronger enemy, indirect attack is about selecting the best site on which to meet the fire and gain the greatest advantage.

Sources: NWCG Glossary, Pyne et al (1996), TEIE (2005) http://www.chabotfire.com.http://www.coloradofirecamp.com



























Hot-spotting usually occurs on the fingers of the fire. It is very dangerous. There is no anchor point and it occurs at the head of the fire.

Why do it ??? To slow/stop rapidly advancing fingers until a fireline is constructed.

It is primarily used to protect property or other highly valued resources.

Sources: NWCG Glossary, Pyne et al (1996), TEIE (2005), http://www.chabotfire.com http://www.coloradofirecamp.com



REM 244: Mop-up

Mop-up is defined as "extinguishing or removing burning material near control lines, felling snags, and trenching logs to prevent rolling after an area has burned, to make a fire safe, or to reduce residual smoke." (NWCG)



Dry Mop: Using hand tools to divide material and dirt to smother and "bank" hot debris (i.e. with no water).

Wet Mop: Using mud, water, retardant, Water in fine spray is effective
Mop from control line inwards, start

with the most dangerous line first • Spray, stir (with hand tools), and sprav

The end result in both cases is to make the material cool enough that you can touch it.

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REM 244: Mop-up

In addition to water there are several wetting agents and chemicals that help with mop-up.

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that are added to water to reduce surface tension Soaps and Detergents: Hydrophilic

agents reduce evaporation of water

Foam: Sticks to fuel and acts like a sponge to water, while absorbing heat, and being a barrier to oxygen

urces: NWCG Glossary, Pyne et al (1996), TEIE (2005),

REM 244: Mop-up

Mop up can be a done a bunch of different ways. But remember these things-

• You can not tell if something is cool just by looking at it.

- Touch it, just be careful. •
- If it hasn't been touched you may not know if its out. ٠
- In other words touch everything that is black. •
- Spraying water and not stirring with a tool gets you no ٠ where. Water doesn't get everywhere.
- Don't bury hot items! It just encapsulates the heat.
- Mop-up is a slow tedious process, but fires have started again because somebody didn't take it seriously.

Sources: NWCG Glossary, Pyne et al (1996), TEIE (2005), http://www.chabotfire.com http://www.coloradofirecamp.com