



# Safety Culture - Asphalt Burns and Safety Switch

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# Examples of recent tar/asphalt injuries

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## Unloading Dura Patch

- Wind blew onto arm

## Crack sealing, bung not closed on tar cart

- While closing bung, tar splashed on leg

## Repair of tar kettle

- Leak not fixed, employed sprayed with tar upon start up

## Crack sealing, hose started to leak

- Tar leaked into boots

## De-tarring equipment

- Tar remover blown into eye



## Safety Switch – What is it?

MANAGING YOUR SAFETY PROGRAMS LIKE YOU MANAGE YOUR PRODUCTIVITY, BUDGET, QUALITY, ETC.

# R.E.D. BOOK

Recognize  
Eliminate  
Discuss

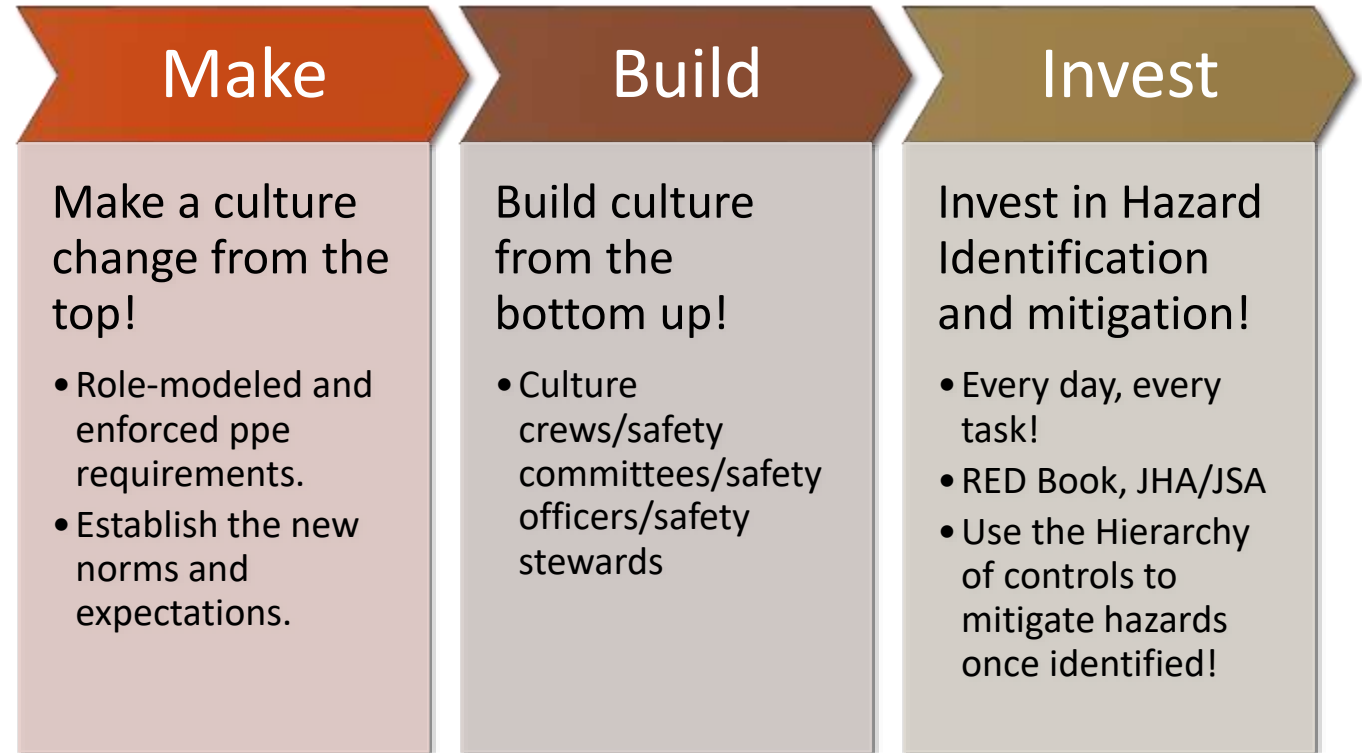
# NOBODY GETS HURT.

This book belongs to: \_\_\_\_\_

WHO IS RESPONSIBLE FOR SAFETY?

# I AM!

## How do we turn the Safety Switch on?



# PERSONAL PROTECTIVE EQUIPMENT

## FOR WORKING WITH HOT LIQUID ASPHALT

(The extent and type of PPE items may vary depending on the hazard assessment at a particular worksite.)

### HEAD AND FACE PROTECTION

- Safety glasses with side shields
- Helmet with hood
- Solid full face shield (no screens)



### ARM PROTECTION

- Cold weather - long sleeve jacket
- Hot weather - cotton long sleeve garment
- No synthetic fibers

### HAND PROTECTION

- Thermally rated gloves
- Extended cuffs with sleeves pulled over top
- Tight-fitting cuffs

### LEG PROTECTION

- Pants with protective lining on front
- No cuffs on bottom of pant
- Pant leg extends over boot

### FOOT PROTECTION

- Steel toe boots



# PPE Requirements

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- an 8-inch (200-millimeter) minimum-sized face shield;
- loose clothing in good condition with collars closed and cuffs buttoned at the wrist;
- thermally-insulated gloves with gauntlets that extend up the arm and are worn loosely for easy removal if covered with hot asphalt;
- safety boots with laced tops at least 6 inches (150 millimeters) high;
- pants without cuffs that extend over the tops of the boots;
- barrier creams and lotions to protect against skin irritation caused by protective clothing; and
- long-handled sprayers with flexible hoses when hand-applying emulsified asphalts for tack coats or cut-back asphalts for prime coats.



# Video

[https://www.youtube.com/watch?v=Spsw\\_uC\\_NfA](https://www.youtube.com/watch?v=Spsw_uC_NfA)

Will be shown during break!

Work Smart – Work Safe

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Two informational cards for asphalt burns. The left card is titled "ON-SCENE FIRST AID FOR ASPHALT BURNS" and provides instructions for skin and eye injuries. The right card is titled "KEEP COOL ON-SCENE FIRST AID FOR ASPHALT BURNS" and provides instructions for cooling the affected area. Both cards include the Asphalt Institute logo.

**ON-SCENE FIRST AID FOR ASPHALT BURNS**

**Skin (Do NOT delay)**

- Immediately place the affected skin under running/flowing water for at least 20 minutes
- Prolonged flushing/cooling is necessary

**Eyes (Do NOT delay)**

- Lay the person on their back
- Flush with running water for at least 20 minutes by allowing the water to flow over the bridge of the nose to the eyes

Urgent medical attention is required for burns to the face, eyes, hands, feet, genitals and for circumferential or large burn areas.

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**KEEP COOL ON-SCENE FIRST AID FOR ASPHALT BURNS**

- Immediately address any Airway, Breathing or Circulation concerns and **START COOLING**
- Do NOT remove asphalt from skin
- Leave burn uncovered
- Quickly place affected area under running/flowing water
- Notify others
- Call for help # \_\_\_\_\_

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