

# TOS Subcontractor Safety Briefing

**Arnold AFB**

# Vehicle Safety



Driving on Arnold AFB is a privilege, not a right. As such, it should be treated accordingly. This is done by always obeying speed laws, obeying traffic signs, and being courteous with others that share the road.

The Arnold Protective Services is charged with enforcing the traffic laws on base and does so with the use of the DD Form 1408, or the military traffic citation, as well state citations. As opposed to the civil citations, the military citation doesn't assess fines on a violator, but rather points. Excessive points on one's record could lead to loss of driving privileges which could be particularly troublesome if driving is a part of one's job requirement.

Additionally, individuals who have been granted base driving privileges have also given implied consent to a chemical test of their blood, breath, or urine upon suspicion of driving under the influence. They have also consented to the removal and temporary impoundment of their vehicle in the event it is parked illegally for an extended period or interfering with vehicle operations.

The speed limit on base is generally 35 mph, except in parking lots where 15 mph is the limit. However, drivers should never operate vehicles at a greater speed than is reasonable under existing conditions. Seat belt use is the law and will be enforced on and off base. As a reminder, it is against DoD policy to operate a privately owned vehicle while using a cell phone without a hands-free device anywhere on AEDC property. Furthermore, DoD policy makes it illegal to operate a government or company owned vehicle while using a cell phone without a hands-free device at anytime.

There are areas on base where parking is restricted or prohibited. Drivers must not park in spaces reserved for certain individuals (AEDC/CC, AEDC Commander, etc.), handicap parking spaces without proper credentials, service vehicle spaces, areas designated as "No Parking," seeded areas, non-paved surfaces unless specifically authorized, and any area where parking creates a safety hazard.

## **Earth moving vehicles**

All earth moving equipment covered by OSHA 1926.602(a) used at AEDC must have rollover protection structures (ROPS). Vehicles under this standard include scrapers, loaders, crawler or wheel tractors, bulldozers, off-highway trucks, graders, agricultural and industrial tractors, and similar equipment.

## **Crane and Test Article transport under escort**

Do not attempt to pass or get between cranes and test article transport vehicles and their escort vehicles.

# Emergency Preparedness

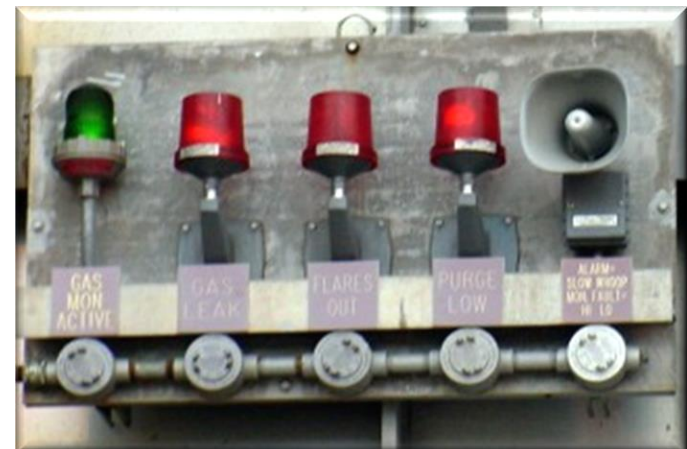
- Serious illness or injury?
  - **Call 911** for an ambulance.
  - If 911 call goes to Coffee or Franklin County, ask to be transferred to Arnold AFB.
- Maintain clear access around emergency equipment.
- Keep fire doors in the **closed** position.



# Visual Signals and Audible Alarms

## Visual signals and audible alarms:

- Provide instructions and information.
- Mark hazardous areas or conditions.
- Signal approaching storms, evacuation, or attack.
- Advise of base exercise events.
- Alert to abnormal equipment or system operations.



# Visual Signals – Barrier Tape and Signs

Red or Red and White = *Danger*

Yellow or Yellow and Black = *Caution*

Magenta and Yellow = *Radiation Hazard*



**Follow instructions on posted signs.  
Never cross a barrier without authorization!**

# Visual Signals – Flashing Beacons



## **RED** — *Danger*

When observed, evacuate immediately, keep out, and keep away.

## **AMBER** or **YELLOW** — *Caution*

Enter only if necessary. Be aware of potentially hazardous conditions.

## **GREEN** — *Normal*

Proceed with routine, safe activities.



# Audible Alarms

- Tornado Warning
  - 3-5 minute steady siren
  - Take shelter in sturdy building or in a land depression
- Hazardous Material Release
  - Repeating “whoop” sound
  - Specific instructions given
- All Clear (*Tornado/Hazardous Material Release*)
  - Repeating air horn sound
  - Resume normal operations
- Exercise Start and Termination
  - Repeating “high low” sound
  - Specific instructions given
- Attack Warning
  - 3-5 minute wavering tone
  - Go immediately to designated fallout shelters:
    - A&E (Building 100)
    - Mark I (Building 1077)
    - G-Range (Building 678)



# Hazard Communication – Safety Data Sheets



- SDS are available for all hazardous chemicals – even copy toner!
- SDS are hazard-identification fact sheets addressing:
  - Health
  - Physical
  - Fire
  - First aid
  - Reactivity and compatibilities
  - Safe handling procedures



## Hazard Communication

Workers have the right to *know* and *understand* the hazardous chemicals they use and how to work with them safely.

[www.osha.gov/hazcom](http://www.osha.gov/hazcom) 800-321-OSHA (6742) TTY 1-877-889-5627

***You have the Right to Understand!***

# Chemical Hazard Warning Signs



- Color code designates hazards of materials

**Red** = Flammability

**Blue** = Health hazard

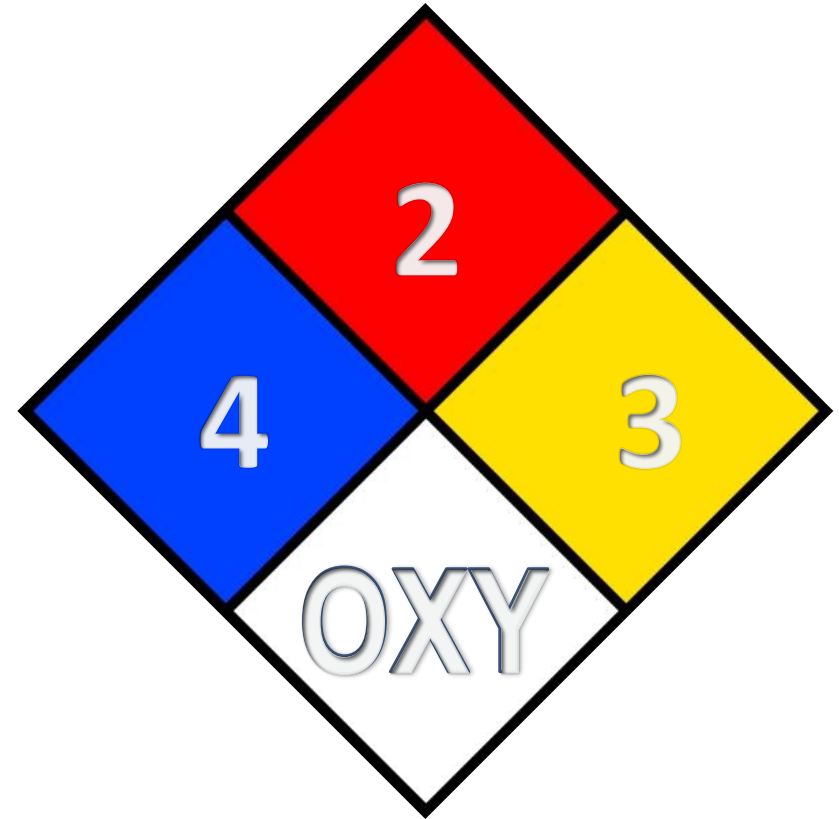
**Yellow** = Reactivity

**White** = Special Information

- Number code designates degree of hazard

0 = safe

4 = most dangerous



# Chemical Hazards

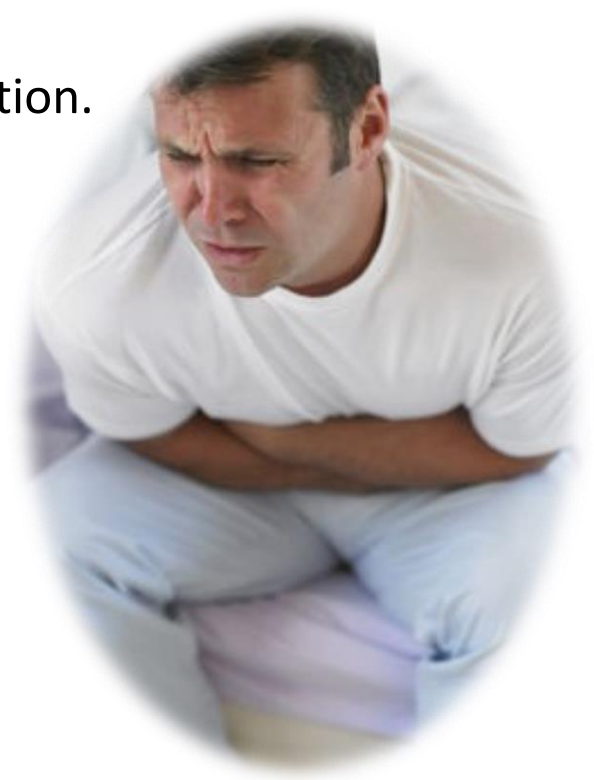
- Properly store chemicals in labeled containers.
- You are responsible for ensuring legible labels.
- Labels must include:
  - Material identification
  - Manufacturer's name and address
  - Hazard warnings



# Chemical Hazards

If you come into contact with hazardous material:

- Evacuate the area and **call 911!**
- Report type of material, amount, and your location.
- Watch for and report exposure symptoms:
  - Dizziness
  - Nausea
  - Headache
  - Skin irritation or burns
  - Stomach pain



# Personal Protective Equipment (PPE)



Personal Protective Equipment (PPE) is required in many areas. Requirements are there for your personal safety and must be followed.



Many areas require PPE. Minimal PPE for industrial areas includes:

- Protective Eyewear
- Short-Sleeved Shirts
- Long Pants (touching shoe tops)
- Hard Hat  
(where overhead hazards exist or construction areas)
- Protective Footwear



Certain work tasks require additional PPE.

# PPE



Many jobs also require:

- Hearing protection
- Respiratory protection
- Face protection
- Hand protection



Your specific job may require additional PPE such as:

- Chemical protective clothing
- Arc flash clothing
- Welding hood



See AEDC Safety Standard F2 Personal Protective Equipment for more information.

# Hearing Protection

- Assess noise in your work area. If you must speak louder than a normal voice to be heard over the noise, you need hearing protection.
- If possible, control or reduce noise at the source.
- Wear hearing protection devices
  - Ear plugs
  - Earmuffs



# Confined Spaces

- Tunnels, pits, pipes, ducting, test cells, vaults, and tanks
- Hazardous and can be deadly
- Oxygen deficient/enriched, flammable/explosive, and/or toxic atmospheres



Read AEDC Safety Standard B5 Confined Spaces for more information.

# Confined Spaces

- Anytime you “break the plane,” you are entering!
- Before entering a confined space, you need to:
  - Be trained
  - Get approval
  - Be issued the procedure
- If the space is labeled, contact the custodian for entry procedure and authorization



**DANGER**

**PERMIT REQUIRED CONFINED SPACE**  
**DO NOT ENTER WITHOUT AUTHORIZATION**

CONTACT CUSTODIAN FOR ENTRY AUTHORIZATION

CUSTODIAN: \_\_\_\_\_ PHONE: \_\_\_\_\_

PROCED. NO. \_\_\_\_\_ ID# \_\_\_\_\_

Complete site- and space- specific training before entering confined spaces.

# Lockout/Tagout (LOTO)

Lockout/Tagout (LOTO) is used to control hazardous energy for prevention of accidental injury.

- LOTO is implemented during equipment/systems maintenance or repair
- A Master Work Permit is required for maintenance or repair

LOTO procedures are governed by  
AEDC Safety Standard B2



# Recognizing LOTO

- Locks are **RED**.
- Danger tags are also required.
- **Remember:** LOTO is used to prevent accidental energizing of equipment when maintenance is in progress.
- **DO NOT** tamper with a lock or tag for any reason!



# Height Safety – Personal Fall Protection

AEDC requires personal fall protection when:

- Exposed to a fall of 4 feet or more
- Traveling from one area to another
- Full body harness used as a means of *fall arrest*:
  - Does NOT prevent you from falling
  - “Holds” you after you have fallen



# Portable Self-Supporting Ladders (i.e., Step Ladders)

- Follow warning and load capacity labels.
- Inspect prior to use.
  - Uniform spacing of 12 inches
  - Steps parallel and level in position for use
  - Free of oil, grease, and other slip hazards
- Use per design on stable and level surface.
  - Check load capacity.
  - Fully open ladder.
  - Lock metal spreader in place.
  - **DO NOT** climb on top step or cross bracing.

Only use in fully open position on a level surface



# Height Safety – Scaffolds

- Inspected before each work shift by a competent person:
  - Signed and dated information tag required
  - Users check tag
- Repaired only by authorized and trained individual(s)
- Erected and dismantled only under direction of a scaffold competent person



# Report Accidents, Unsafe Acts and Unsafe Conditions



- Report injuries to supervision and SHE immediately.
  - Call 911 for serious injuries and identify that you are at AEDC.
  - Follow on treatment may be at MedWorks in Tullahoma, an Emergency Room or with a Workers' Comp. Physician as necessary.
- Report property damage to supervision and SHE immediately.
- Report unsafe acts or conditions that pose an imminent danger.
  - Take action: Stop the process.
  - Notify your Supervisor and SHE immediately via the Ops Center.
- Secure and safe the scene when unexpected event (injury, property damage, near miss, etc.) occurs.
  - Keeping scene integrity is critical for accurate investigations and root cause analysis to develop strategies to prevent future occurrences.

**When in doubt – Call Safety!**

**Hotline: 454-SAFE (7233)**

**Your commitment and involvement may prevent an injury!**