

OCCUPATIONAL SAFETY & HEALTH INITIAL



WIIFM

To ensure that all plant **personnel** have the **knowledge** to **perform** their assigned work in a manner that promotes **safety** of **personnel**, protects plant **property** and the **environment**.



TERMINAL OBJECTIVE

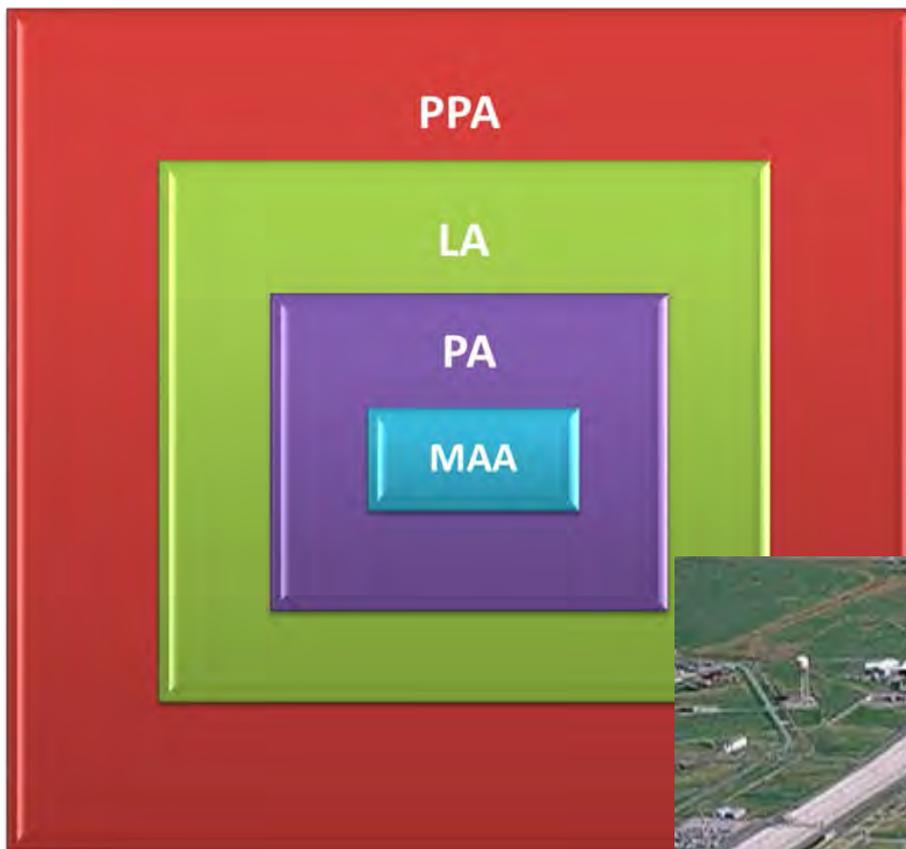
Given an overview of the facilities and instruction on plant safety and health policies, trainees will be able to identify components within the Occupational Safety and Health Program.



ENABLING OBJECTIVES

- E01 Discuss the general description of the facilities.
- E02 Explain worker's rights and responsibilities under 10 CFR 851.
- E03 Describe the Safety and Industrial Hygiene Program.
- E04 Discuss the Pause Work/Stop Work Program.
- E05 Discuss the response to a safety event.
- E06 Discuss reporting work related injuries/illnesses/vehicle accidents.
- E07 Discuss the transportation safety program.
- E08 Discuss signs and protective tags.

EO1 GENERAL DESCRIPTION OF THE FACILITIES



EO2 10 CFR 851 WORKER'S RIGHTS AND RESPONSIBILITIES

Rights

- ❖ To work in an environment free from recognized hazards likely to cause death or serious injury.
- ❖ Be informed of your rights and responsibilities
- ❖ Be notified of exposures to harmful substances above legal limits
- ❖ Be provided access to your exposure records
- ❖ Refuse work in conditions likely to cause serious harm to you or others

The Company is **FORBIDDEN** to make reprisals against employees who raise legitimate safety concerns.

EO2 10 CFR 851 WORKER'S RIGHTS AND RESPONSIBILITIES

Responsibilities

- ❖ Understand work area's hazards
- ❖ Comply with all safety and health regulations and standards
- ❖ Participate in mandatory training/required safety & health programs
- ❖ Immediately correct safety & health related problems/inform your supervisor
- ❖ **Know your work area's emergency plan**
- ❖ Warn fellow workers of hazards and defective equipment
- ❖ Report all work related injuries/illness to supervisor and Medical

EO3 SAFETY AND INDUSTRIAL HYGIENE PROGRAM

- ❖ Provide a safe workplace for all personnel
- ❖ Comply with federal, state, and local safety regulations
- ❖ Provide Programs such as:
 - ❖ Hazard Assessments (determines type of PPE)
 - ❖ Personal Protective Equipment (PPE)
(Protection against chemical/biological/physical hazards)
 - ❖ Respiratory Program (Full face respirators)
 - ❖ Eye and Face Protection
 - ❖ Foot Protection (Safety shoes)
 - ❖ Noise Protection
 - ❖ Protective Clothing (Gloves)

EO3 SAFETY AND INDUSTRIAL HYGIENE PROGRAM

❖ **Compressed Gas Cylinders/Pressure Safety**

- ❖ Always be moved and/or stored with valve caps on
- ❖ Report unsafe conditions
- ❖ Training Required



❖ **Electrical Safety**

- ❖ Only trained/qualified individuals are allowed to work on electrical systems

❖ **Hand Safety**

- ❖ Recognize tasks that can cause hand injuries

EO3 SAFETY AND INDUSTRIAL HYGIENE PROGRAM

❖ Environmental Working Conditions

- ❖ Heat stress—body is unable to cool itself.
- ❖ High temps/humidity, direct sun/heat, limited air movement/exertion/poor physical conditions/medicines/intolerance



Sweaty skin

Heat Exhaustion

- Headaches, dizziness, lightheadedness or fainting
- Weakness/Moist Skin
- Mood changes-- Irritability/ confusion
- Upset stomach/vomiting



Red, hot, dry skin

Heat Stroke

- Dry/Hot skin with NO sweating
- Mental confusion/losing consciousness
- Seizures/ convulsions

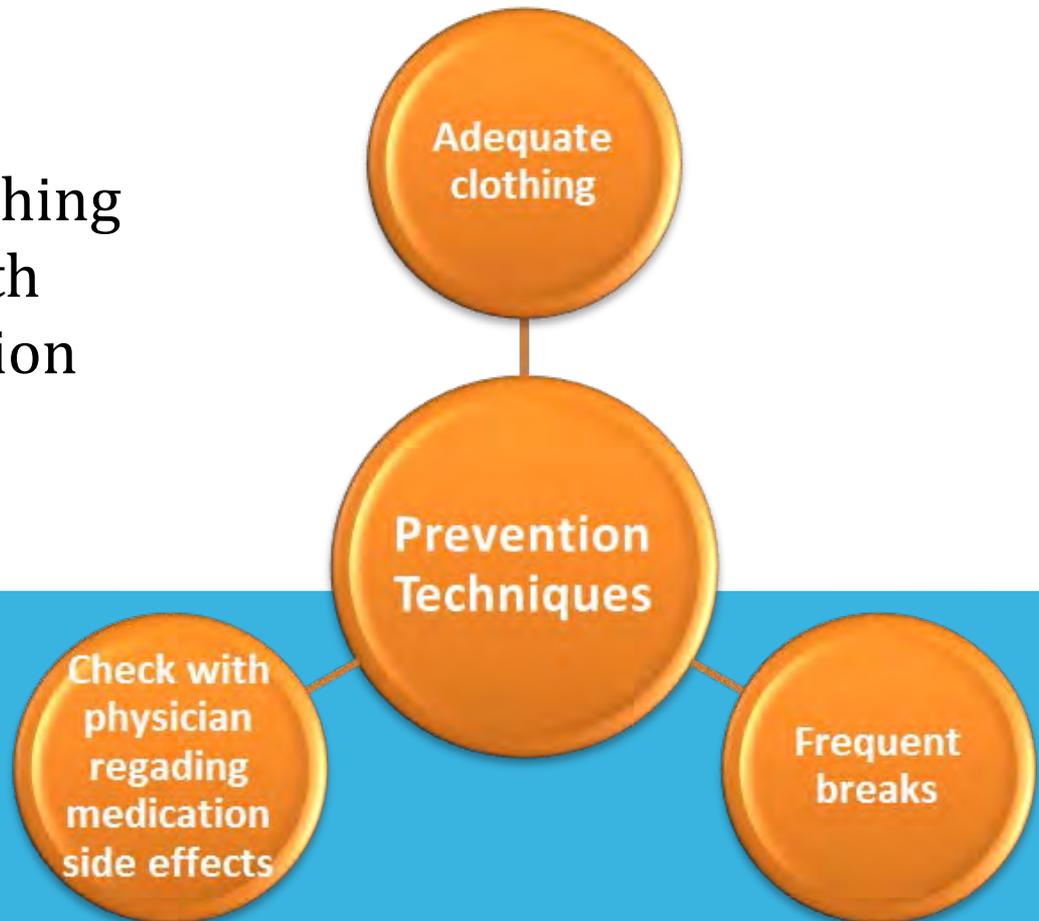
EO3 SAFETY AND INDUSTRIAL HYGIENE PROGRAM

❖ Environmental Working Conditions Cont.

❖ Cold stress—body is unable to maintain heat.

❖ Influences:

- ❖ High winds
- ❖ High humidity
- ❖ Wet conditions
- ❖ Inadequate clothing
- ❖ Individual health
- ❖ Drugs/medication



EO4 PAUSE WORK/STOP WORK PROGRAM

ALL employees have Stop Work Authority!

Pause/Stop Work Authority Process:

Immediately Dangerous to Life and Health (IDLH) Concerns:

- ❖ Stop work immediately
- ❖ Contact the following:
 - ❖ Pantex OC @ (806) 477-**5000**
 - ❖ Y-12 PSS @ **911** (landline) or (865) **574-7172** (cell)
- ❖ Control the scene

Non-IDLH Concerns:

- ❖ Initiate pause/stop work for something that MAY adversely affect safety/security/quality
- ❖ Take action
- ❖ Discuss issue
- ❖ Contact first line supervisor
- ❖ Be available for further discussion

EO5 RESPONSE TO A SAFETY EVENT

Imminent Danger

Any condition or practice that could reasonably be expected to cause death or serious physical harm unless immediate action is taken to mitigate the effects of the hazard and/or remove people from the area.



EO5 RESPONSE TO A SAFETY EVENT

In the event of Imminent Danger, you should:

❖ **Stop work**

❖ **Keep others away from hazard**

❖ **Contact the following:**

❖ **Pantex OC @ (806) 477-5000**

❖ **Y-12 PSS @ 911 (landline) or (865) 574-7172
(cell)**

❖ Notify area supervisor or your supervisor

❖ Notify Safety and Industrial Hygiene Dept.

EO5 RESPONSE TO A SAFETY EVENT

Near Miss

- ❖ An incident/event that did not cause an injury or accident, but could have caused serious injury/property damage/insult to the environment
- ❖ Should be reported because...
 - ❖ *Most industrial accidents are preceded by a large number of near misses.*
 - ❖ *Reporting the near miss allows us to correct the problem **BEFORE** an accident occurs.*

EO6 REPORTING INJURIES/ILLNESSES/VEHICLE ACCIDENTS

Injuries/Illnesses

- ❖ ALL work injuries/illnesses MUST be reported IMMEDIATELY.
- ❖ Failure to do so can result in disciplinary action.
- ❖ Medical emergencies (condition which life or limb is threatened) contact:
 - ❖ Pantex Fire Dept. @ (806) 477-3333/OC @ 1(806) 477-5000
 - ❖ Y-12 PSS @ 911 (landline)/(865) 574-7172 (cell)
- ❖ Notify the area supervisor
- ❖ Render First Aid if possible*

EO6 REPORTING INJURIES/ILLNESSES/VEHICLE ACCIDENTS

Vehicle Incidents

- ❖ **Report government owned/GSA motor vehicle and private owned vehicle incidents that occur on site.**
- ❖ Report vehicle incidents while on business-related travel
 - ❖ Pantex OC @ (806) 477-5000
 - ❖ Y-12 PSS @ (865) 574-7172



EO7 TRANSPORTATION SAFETY PROGRAM

Using Government Vehicles

- ❖ Obey all postings/barricades/road closure signs
- ❖ Utilize a spotter when backing
- ❖ Must have a valid driver license

Cell Phones & Other Electronic Devices While Driving Vehicles (Gov./Personal)

Pantex

- ❖ NO Texting
- ❖ NO Talking
 - ❖ Pull over and come to a complete stop

Y-12

- ❖ NO Texting
- ❖ AVOID talking if possible
 - ❖ Hands-free mode acceptable

EO7 TRANSPORTATION SAFETY PROGRAM

Traffic Laws

- Comply with est. rules
- Obey **ALL** laws/markings/policies/guidelines
- Receive req. training
- **MUST** wear seatbelt

Speed Zones

- **Pantex**
 - LA/PA/MAA = 20 mph
 - Lots = 15 mph
 - Ramps = 5 mph
- **Y-12**
 - Roads = 25 mph
 - Lots = 15 mph

EO7 TRANSPORTATION SAFETY PROGRAM

Electric Carts

- ❖ Obey all laws/signs/markings/policies/guidelines
- ❖ Use bell/horn @ corners/intersections/behind people
- ❖ Use approved seats
- ❖ Rear passengers not required to dismount before going through curtains if a rack/cover exists
- ❖ If not, dismount and proceed through curtains
- ❖ Charge carts in approved locations
- ❖ NEVER take into a bay/cell.

EO7 TRANSPORTATION SAFETY PROGRAM

Nuclear Explosive/Nuclear Explosive Like Assembly (NE/NELA) Convoys or Special Nuclear Material Vehicle

- ❖ Blue/amber light or other markings
- ❖ Always yield the right-of-way:
 - ❖ Pull over to the right hand edge of road and stop
 - ❖ At intersection, stop and remain stopped and let pass
 - ❖ Move if needed
 - ❖ Remain at least 300 ft. behind
 - ❖ Follow direction from escorts

EO7 TRANSPORTATION SAFETY PROGRAM

Cycling

- ❖ Bicycles/Tricycles/Quadricycles
- ❖ Helmet for Bicycles
- ❖ Speed Limit = 10 mph
- ❖ DO NOT ride on sidewalks
- ❖ Ride in approved areas ONLY
- ❖ Stop and dismount and push bicycle through curtains/double-bump doors



EO7 TRANSPORTATION SAFETY PROGRAM

Ramp Traffic

- ❖ Movement always has the right-of-way
- ❖ Follow walker/spotter directions
- ❖ Stay behind 25 ft.
- ❖ NEVER come from behind/pass without permission

EO8 SIGNS AND PROTECTIVE TAGS



Danger

Immediate danger/special precaution if necessary



Caution

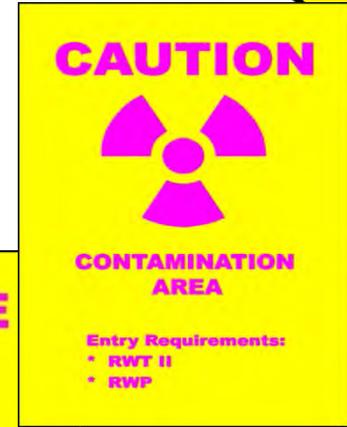
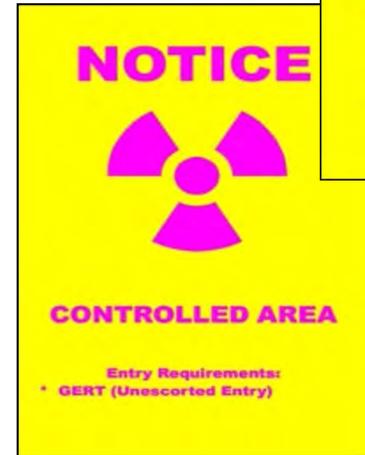
Potential hazard or unsafe practices



Signs



Eye protection must be worn



Area Postings

Items that must be obeyed by all personnel



Safety Instruction

General instructions and suggestions relative to safety measures

EO8 SIGNS AND PROTECTIVE TAGS



Protective Tags

- ❖ Read and obey instructions
- ❖ **Do NOT remove, deface or disturb**
- ❖ **When in doubt, ask a supervisor**



REVIEW

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