

# HAZARD RECOGNITION

# Principles of Hazard Recognition

- Employees are responsible to understand rules and associated hazards
- Management is responsible for providing training to recognize hazards
- It doesn't take a professional to identify hazards
- Hazard Recognition is a key element in doing a job right

# Three Opportunities to Recognize Hazards

1. Pre-Exposure (Planning/Set-up Stage)
2. During Exposure (Auditing, Inspecting, and SOR's)
3. Post Exposure (Incident Investigation)

We prefer to find the hazards in the Pre-Exposure Stage

# What Is A Hazard?

- A hazard is defined as a danger which threatens physical harm to employees
  - An unsafe workplace condition or practices (dangers) that could cause injuries or illnesses (harm) to employees
- Recognized Hazards
  - Industry/OSHA Recognition
  - Employer/Site Recognition
  - Common Sense Recognition



# Hazard Types



- Impact hazards
- Penetration hazards
- Compression hazards
- Chemical hazards
- Heat/Cold
- Harmful dust
- Smoke and noxious or poisonous gases
- Optical Radiation
- Biological hazards
- Noise hazards
- Electrical hazards
- Ergonomic
- Work Place Violence
- Other

# Hazard Examples

## Chemical Hazard



## Physical Hazard



## Behavioral Hazard



# Challenges of Hazard Recognition

- Safety and Health rules are not understood
- Lack of education in hazard recognition
- Hazards are not controlled and often not recognized
- Lack of ownership



“Figure out what happened to the last crew here, and tell the next crew not to do that.”



# What's the Hazard?





# Is there a Hazard?





# The Fix?



# Hazard Recognition During Pre-job Planning/Setup

- Simple Technique (SPA):
  1. What am I about to do?
  2. What do I need to do this job and how will I do it?
  3. How could I (or one of my coworkers) get hurt?
  4. What am I going to do to prevent injury?

# Recognize and Reduce

- Prior to performing a task
  - Recognize - What is involved that can hurt you or your coworkers?
  - Reduce – How can you keep from being hurt or hurting others while doing this job?