

PYROPHORIC MATERIALS AND IRON SULFIDE

PROCESS SAFETY | THINK AHEAD. CONTROL THE HAZARD. PROTECT THE CREW.

Today we are discussing pyrophoric materials and iron sulfide. Review the job, identify the specific exposure, and agree on the controls before work begins.

COMMON HAZARDS AND SAFEGUARDS

- Assume opened sour-service equipment may contain pyrophoric deposits
- Keep deposits wet until safely removed or treated
- Control oxygen entry during equipment opening
- Use the approved cleaning and disposal procedure
- Maintain fire watch and extinguishing equipment
- Stop if material heats, smokes, glows, or dries unexpectedly

THE COMMON-SENSE CHECK

- 1 What can go wrong during pyrophoric materials and iron sulfide?
- 2 Which of today's conditions increases the risk?
- 3 Are isolation, permits, and equipment verified?
- 4 Does everyone understand the controls and limits?
- 5 What will make us stop, withdraw, or raise the alarm?

CONTROL THE EXPOSURE

PLAN

Assume opened sour-service equipment may contain pyrophoric deposits

VERIFY

Keep deposits wet until safely removed or treated

CONTROL

Control oxygen entry during equipment opening

RESPOND

Stop if material heats, smokes, glows, or dries unexpectedly

ASK THE CREW

1. Where could this hazard affect us during today's work?

2. Which control must be verified before we begin?

3. What condition requires us to stop work or evacuate?

DATE: _____

SUPERVISOR: _____

CREW / LOCATION: _____