

REFINERY FIRE AND EXPLOSION HAZARDS

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

Today we are discussing refinery fire and explosion hazards. Review the job, identify the specific exposure, and agree on the controls before work begins.

COMMON HAZARDS AND SAFEGUARDS

- Know the flammable materials present in the unit
- Control fuel, oxygen, and ignition sources
- Keep process equipment closed and leak-free
- Follow gas-testing and permit requirements
- Maintain access for emergency responders
- Raise the alarm early and evacuate by the designated route

THE COMMON-SENSE CHECK

- 1 What can go wrong during refinery fire and explosion hazards?
- 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

Know the flammable materials present in the unit

VERIFY

Control fuel, oxygen, and ignition sources

CONTROL

Keep process equipment closed and leak-free

RESPOND

Raise the alarm early and evacuate by the designated route

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: _____