

VAPOR-CLOUD EXPLOSION AWARENESS

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

Today we are discussing vapor-cloud explosion awareness. Review the job, identify the specific exposure, and agree on the controls before work begins.

COMMON HAZARDS AND SAFEGUARDS

- Treat visible vapor, fog, or strong odor as a release warning
- Eliminate ignition sources without entering the cloud
- Move crosswind or upwind immediately
- Warn others and activate the emergency notification system
- Do not start vehicles or operate switches in the affected area
- Wait for authorized monitoring and an all-clear

THE COMMON-SENSE CHECK

- 1 What can go wrong during vapor-cloud explosion awareness?
- 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

Treat visible vapor, fog, or strong odor as a release warning

VERIFY

Eliminate ignition sources without entering the cloud

CONTROL

Move crosswind or upwind immediately

RESPOND

Wait for authorized monitoring and an all-clear

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: _____