

OPERATORS · FOUNDATION · 1 DAY

Process Safety for Operators

Hazards, safeguards and the operator's role in preventing loss of containment

SHIFT LOG · Unit 100 · Night

22:10 PSV-201 lifted, reseated

23:40 FIC-105 in manual – fouling

01:15 Permit 4471 closed

03:30 Round B · P-102 seal weep

Carried forward → Day shift

HANDOVER

Critical ☐

Open tasks ☐

Overrides ☐

DURATION
1 day

LEVEL
Foundation

FORMAT
On-site classroom · virtual instructor-led

LANGUAGE
English

MAX. PARTICIPANTS
16

Your

own P&IDs and logbook

1

tabletop unit-upset exercise

100 %

operator-focused

Overview

Operators are the layer of protection that thinks. This one-day course explains the hazards of the units they run, why each safeguard exists, what the trip and alarm settings mean, and what to do — and record — when things drift. It is delivered on the site's own P&IDs, logbook and incident history.

Learning outcomes

- Explain the major-accident hazards of their own unit
- Identify the safeguards on a P&ID and what defeats them
- Respond to alarms with the intended action, not habit
- Recognise abnormal situations early on a round or a trend
- Use the logbook and shift handover to pass on what matters
- Apply permit, isolation and override rules correctly

Who should attend

Panel and field operators, shift supervisors, new operations staff; refresher for experienced crews

Course outline

MORNING

Lessons from major accidents · loss of containment and its causes · safe operating limits · alarms, trips and their meaning · safeguards on our P&IDs

AFTERNOON

Operator rounds and abnormal-situation recognition · overrides and bypasses · shift handover practice with CeraShift · tabletop exercise on a unit upset · quiz and certificate

Standards referenced

OSHA 29 CFR 1910.119(g) · CCPS Conduct of Operations · ISA-18.2

Tools & exercises

Exercises on the site's own P&IDs and CeraShift logbook

What's included

- ✓ Course manual and slide pack
- ✓ Software access for the course
- ✓ Post-course Q&A with the instructor
- ✓ Exercise and case-study pack
- ✓ Competency quiz and certificate
- ✓ Templates used in the exercises

PREREQUISITES

None

CERTIFICATION

Certificate of completion; competency record for the training matrix

INSTRUCTORS

Practising engineers — TÜV HAZOP Leader, CCPS and IEC 61511 Functional Safety certified — with 200+ years of cumulative plant experience.

Book this course or build a custom curriculum

On-site at your plant or virtual · in-house groups · competency assessment included

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