



Reflective learning – facilitator guidance

Video *I keep my barrier strong*

Introduction

This leaflet describes the specifics of the reflective learning engagement session called *I keep my barrier strong*.

For general guidance and tips on running a reflective learning session please read and use the generic guidance available from the Hearts and Minds website

(<https://heartsandminds.energyinst.org/toolkit/reflective-lfi>).

Process safety videos

In the first process safety reflective learning video (*I own my barrier*) we reflected on barrier ownership in general. The key message was about knowing your barrier and ensuring it is strong and healthy. Hardware barriers, human barriers and critical processes were explained.

In this second process safety related video, we go in deeper and focus on barriers and critical processes when things change.



Content of the video

In the first part of the video we see two scenarios, one about a ship that enters the 500 meter safety zone, and one about a pigging operation.

NOTE: the ship, platform and pigging examples are simplified illustrations and therefore do not include all operational details that would exist in real situations.

In part 2, the story develops and we see the situation changing. New threats and hazards appear.

The last part of the video explains normalisation of risk and the fact that we can often be too optimistic about the outcome of our actions and plans.

Key lessons

- Stop, step back and review, when faced with new threats and hazards
- Stabilise, slow down, shutdown if you cannot operate within safe limits!

Barriers and critical processes

Hardware barriers (e.g.)

- Process containment
- Ignition control
- Detection systems
- Protection and shutdown systems
- Emergency response equipment

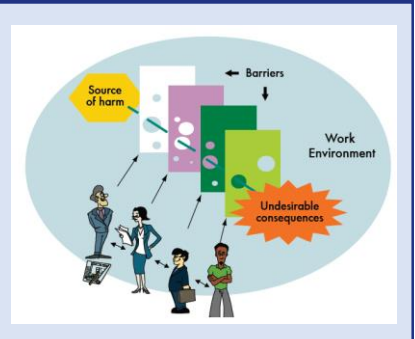
Human barriers (e.g.)

- Operating in accordance with procedures
- Surveillance, operator rounds and routine inspection
- Response to process alarm and upset conditions

Critical processes (e.g.)

- Management of change
- Permit to work
- Competency management

Hearts & Minds model



We must never become complacent!

Process safety is a top priority every day and is part of how we do business.

Our facilities must operate with 'no leaks' or incidents that can cause serious injuries to our employees, contractors or neighbours. Looking back at the history of the oil and gas industry, it's easy to recall the dramatic consequences of major incidents – to people, the environment, and to a company's reputation.

We must never become complacent or believe major accident hazards cannot affect us. An ever-present process safety focus – a 'chronic unease' that presses us to look for the next incident – is imperative to our business performance.

This reflective learning is a chance to build on our everyday messages on process safety.



Questions in video

Questions after part 1 of the video

- What is changing in these scenarios?
- Which barriers are getting weaker?

Questions after part 2 of the video

Please discuss in small groups:

- Which local incident can you recall that happened as a result of a change to a plan?
- How could it have been avoided?

Questions after part 3 of the video

Please discuss in small groups:

- What personal examples can you give of risk normalisation and/or being too optimistic?
- How can you make sure your barriers stay strong when things change?



Other questions to consider



Optional extra question after part 1

- What 'weak signals' can you identify?

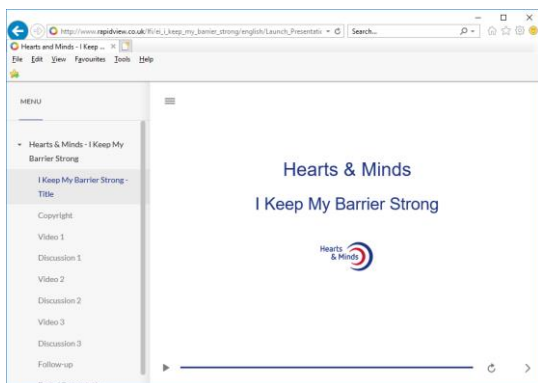
Optional extra question after part 2

- How do you manage changes to equipment and processes at your location?



Video tool

Use the menu in the video tool at the start of the meeting to explain the structure of the session. No slides are needed.



I keep my barrier strong



- I know the scope and its limits
- I operate within these limits
- I stabilize, slowdown, shutdown when things change

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