CAPACITY TO FAIL SAFELY
Building Capacity to Manage Pressure
Toolbox Talk
BUILDING CAPACITY TO MANAGE PRESSURE

» Pressure is a common hazard, but are we always setup for success in the management of pressure?

» The Building Capacity to Manage Pressure program is an online course with three modules:
  • Incident Review (video re-creation)
  • Understanding Pressure
  • Understanding Human and Organizational Performance (HOP)

» The goal of this program is to build capacity to manage pressure by exploring new ways of thinking about safety performance.
TRADITIONAL APPROACHES VS HOP

» Traditional approaches to safety often focus on preventing or minimizing human errors or mistakes:
  • Human Errors - defined as unintentional actions
  • Mistakes - defined as deliberate actions, but those taking the action do not intend a negative outcome

» This approach has been effective in reducing incidents, but these benefits have been slowly declining over the years.

» New philosophy is emerging in safety called Human and Organizational Performance (HOP).
HUMAN AND ORGANIZATIONAL PERFORMANCE

» HOP examines the interaction between:
  • People
  • Work systems
  • Equipment
  • Environment

» HOP focuses on human and organizational weaknesses that lead to errors and mistakes.

» HOP recognizes we cannot eliminate all errors or mistakes from a system that involves humans.
Therefore, HOP is not about the absence of incidents, but rather the presence of safeguards or safety controls that can prevent serious incidents, even when a person makes an error or mistake.

HOP asks, “What happens when someone makes an error or mistake?” and seeks to design safeguards for such situations.

This concept is known as “capacity”. A system of controls that has capacity means it allows/enables the worker to "fail safely" when an error or mistake is made.
INCIDENT REVIEW

» In the re-creation video, the test bar lacked the capacity to fail safely because it was able to protrude from the blowout preventer (BOP).
HAZARDOUS ENERGY

» Where in your work is the hazardous energy located? Use the energy wheel to identify energy that could lead to a serious incident.

» Are the controls enough to keep you safe if an error or mistake occurs?
QUESTIONS AND RESOURCES

» Identify situations without capacity in your work and bring them up for discussion and focused action in your company.

» Resources:
  • Building Capacity to Manage Pressure Program
  • Life Saving Rules
  • Potentially Serious Incidents Program