



IESG

Collaboratively Achieving our Mission

A Keynote Address Oil Spill Response Thailand 2019

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IESG

Vision & Mission

Vision : Be the most trusted and effective organization in the coordination for collaborative efforts in incident prevention and management of emergency response associated with oil industry operations in Thailand.

Mission : IESG Association has a mission to work with members in the area of incident prevention and preparedness for effective responding to oil spill incident as well as to create credibility towards society through the following actions.

- Develop human resources' knowledge and ability through arranging training for members and concerned parties
- Promote and support members and concerned parties to operate with standard
- Maintain the readiness of oil spill response equipment at all times
- Strengthen collaborative networking with relevant government agencies and organizations, in-country and internationally, to develop knowledge and capability for managing emergency situation



**(Oil Spill) Incident Prevention
Prepared to Respond**

through

**Driving the Presence and Effectiveness of
Safeguards**



**We need to move from “I think our
safeguards are in place” to ‘I know our
safeguards are in place, functioning and
effective”**



Safeguards

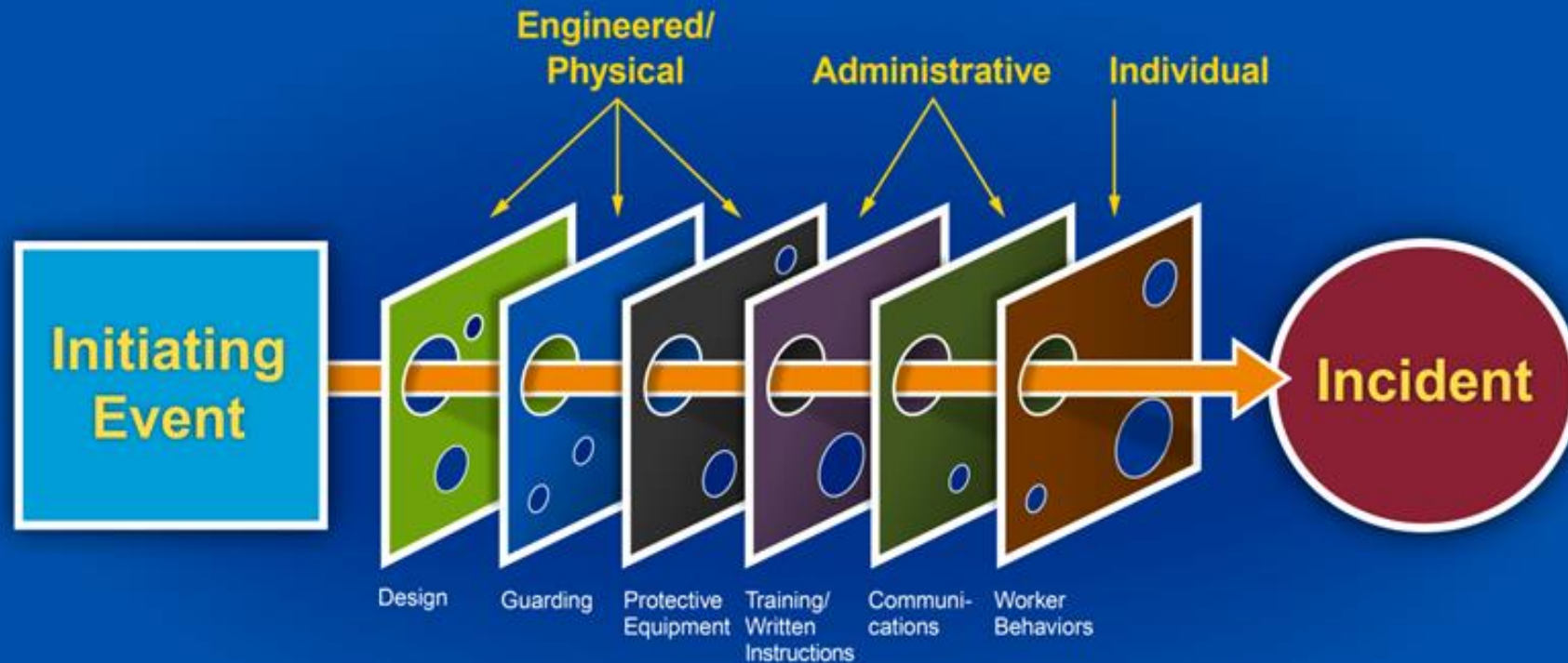
Safeguards are the hardware and human actions designed to directly prevent or mitigate an incident or impact

การวิเคราะห์ความปลอดภัยกระบวนการผลิต (Process Hazard Analysis - Bow Tie Technique)



Assess Risks and Verify Safeguards

Pause frequently to check for hazards that may have been overlooked, and verify the safeguards you will need – to keep you and your team safe





How can we ensure the Presence of Effective Safeguards ?



**We can accomplish by regularly
verifying that we have sufficient
safeguards in place – that they are
designed well – and they are providing
the protection we need**

Focused Areas

- High consequence scenarios (i.e. high consequence Loss of Containment)
- Critical Safeguards
- Past Medium and High level incidents' preventive and corrective actions

V&V Approach

Focus	Methods for V&V
How is Safeguard (Physical) Designed or Procedures Developed	Learn how safeguard come up and design (which standards / best practice). For procedure, check how to develop (which reference, approval and communications)
Safeguards existence	Check if Physical safeguards / Management System (Procedures / process) in place
Effectiveness and quality of safeguards control	Field Inspection / Check functioning or Implementation as per procedure / Clear accountability for safeguard performance, and Understanding / Competency of safeguards owner.
	Check Testing of physical safety device as per plan / Check if any overdue
	Review of paperwork and electronic records to demonstrate existence and functionality of physical safeguards



Recommendations

- Revisit and define High consequence scenarios / work activities (i.e. high consequence Loss of Containment)
- Identify Critical Safeguards of the high consequence scenarios / work activities
- Conduct V&V on Critical Safeguards and Past Medium and High level incidents' preventive and corrective actions

V&V (Verify and Validate)

will help us to move from “I *think* our safeguards are in place” to “I *know* our safeguards are in place, functioning and effective”





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IESG Focus Areas

