
Preventing Major Environmental Incidents & Leadership on Environmental Issues

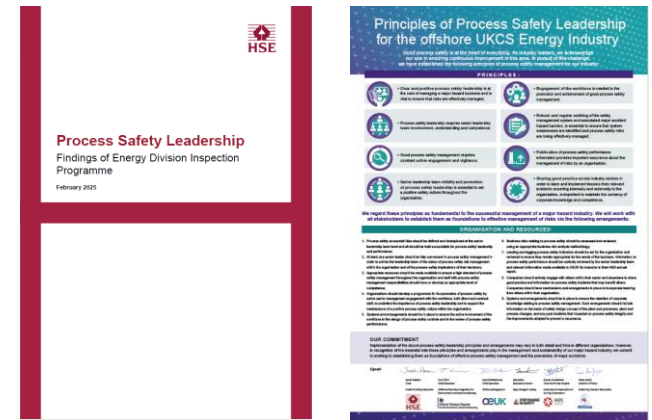
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PSLP – What about the Environment?

- Principles of Process Safety Leadership enhance BOTH Safety and Environmental performance.
- Leaders must consider BOTH Safety and the Environment
- Not just MEI potential
- PS(EP)LP anyone?



CMAPP & SEMS

“Clear and positive process safety leadership is at the core of managing a major hazard business”

- CMAPP sets out your aims. SEMS describes how you deliver those policies.
- Not a ‘tick box exercise’ for safety case assessment
- Some good CMAPP’s but not always fully implemented
- SEMS as described doesn’t always deliver the CMAPP
- Duty holders do work collaboratively to remedy



“Do what you say you are going to do.”

Resources and Competency

“Appropriate resources should be made available...”

- Challenging time for the basin
- Loss of experience and competence
- Changes in operator demographic
- Operator capacity



“Ensure you’re resourced to do it well.”

Risk Management

“...risks relating to process safety should be assessed and reviewed...”

- Risk assessments don't always identify environmental consequence
- Quality of risk assessments, particularly in well operations, could be improved.
- Long standing ORA's become business as usual
- Deviance is normalised.



“Ensure the risks are properly considered and assessed. Don't forget the environmental impacts.”

Audit & Assurance

“Robust and regular auditing of the safety management system and associated major accident hazard barriers...”

- One of the weakest areas identified.
- Inadequate or lack of resources a contributing factor.
- Audit of operations to ensure conformance
- Audits not independent or critical enough.



“Check how you’re doing.

No news is not necessarily good news.”

Conclusion

- *PS(EP)LP benefits safety and the environment*
- *Do what you say you are going to do*
- *Ensure you're resourced to do it well*
- *Ensure the risks are properly considered and assessed. Don't forget the environmental impacts.*
- *Check how you're doing. No news is not necessarily good news.*

OPRED's previous message to conference in 2019

“The best way to avoid spills is through prevention”