

Liquids Pipeline SMS Workshop



Safety Assurance

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Pipeline Operators Shall Evaluate:

- The application of PSMS
- Progress toward effective risk management
- Continual pipeline safety performance improvement

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Operators Shall use audits to examine conformity of the PSMS

- Include service providers and contractors
- Maintain procedures for planning, conducting, and documenting audits and evaluations
- Consider the results of previous audits
- Place greater weight on processes involving higher safety risk and business criticality

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Operators Shall:

- Assure each of the elements of the PSMS are audited at least once every three years

An audit may be performed by external professionals or internal personnel not involved in the work of the PSMS or the operations being audited

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Operators Shall Evaluate and Assess:

- The effectiveness of risk management and progress made toward improving pipeline safety performance
- Safety culture
- Processes and procedures and the maturity of their implementation

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Operator Shall Establish & Maintain a Reporting and Feedback Process:

- Include employees and contractors
- Review the benefits and drawbacks of an anonymous and/or non-punitive system
- Monitor data to identify new and emerging risks and to evaluate performance of risk mitigation

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Operator Shall Establish a KPI Procedure to:

- Measure the effectiveness of risk management
- Measure the effectiveness and adequacy of the PSMS
- Identify, collect & analyze data generated from:
 - Operations and maintenance
 - Integrity management
 - Audits and evaluations
 - Management reviews & other relevant sources

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Let's Discuss:

How might an operator assess the “maturity” of their Pipeline Safety Management System?

What method will you use to audit your PSMS?

How might an operator “assess the effectiveness of its risk management” and progress made toward improving pipeline safety performance?

What method will you use to assess safety culture?

In what manner can an operator “establish and maintain a reporting and feedback process for employees and contractors?”