



PHMSA'S Web Conference Series 2014



RP 1173: Pipeline SMS Requirements

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Think

- **More**

- Intentional and systematic actions
- Diligence and oversight
- Involvement at all levels - communications
- "Go and Check"

- **The reward is**

- Increased pipeline safety – risk management/reduction
- Creation/Enhanced safety oriented culture
- Broader organizational involvement



Elements to be Discussed

- **Section 13 – Competence, Awareness and Training**
- **Section 14 – Documentation and Record Keeping**



Key Considerations

- **Section 13 and Section 14 support all others**
 - Train the desired methods and expectations
 - Be competent in all aspects of the job
 - Document all data relevant to PSMS operation and performance
- **PSMS structures its elements into the Plan, Do, Check, Act cycle to assure**
 - Interconnected effort to achieve enhanced pipeline safety
 - A cohesive comprehensive approach to the goal
 - Structured and intentional continuous improvement



Competence, Awareness and Training

- **Who**

- Employees
- Contractors
- Sub contractors
- Management



Competence, Awareness and Training

- **What**

- Appropriate level of competence for the responsibilities and authority for personnel involved in the PSMS
- PSMS principles (PDCA) as they pertain to a task
- Paths for information to flow about risks and execution of processes and procedures
- Communication of the state of pipeline safety at all levels
- Potential consequences of failures to follow processes or procedures



Competence, Awareness and Training

• Why

- Assure competence at every level for all personnel
- Signal all participants of the importance of competence, awareness, and universal application of the PSMS
- Definition and assessment of competence allows gap analysis and triggers additional training
- Create confidence and proactive culture
- Communicate responsibilities and authority for each member



Documentation and Records

- **Data and communication drive the PSMS**
- **Data is the basis for decision making**
- **Documentation provides the dual purpose of setting expectations and recording results**



Data

- **High quality and current**
- **Focused and pertinent to the topic**
 - Threat assessment
 - Risk management/reduction
 - PSMS activities
 - Communication of continuous improvement
- **Readily available across the organization**



Documentation

- **Documentation falls in two major categories**
- **Communicate policy, objectives, and methods**
 - Pipeline safety policies and objectives
 - Processes and procedures
 - Roles in the PSMS or day-to-day operations
 - Library for corporate learning
- **Record progress**
 - Completion of required tasks(audits)
 - Compilation of related data
 - Communication of safety diligence



Documentation and Records

- **What is the value of the extra work?**
 - Procedures and work practices are essential
 - Demonstrates diligence and commitment
 - Builds a foundation of data for all decision making
 - Provides trail of PSMS oversight
 - An essential element for creating and recognizing continuous improvement