



PHMSA'S Web Conference Series 2014



RP 1173: Pipeline SMS Requirements Essential Elements and Path Forward

*July 02, 2014
Ron McClain – Committee Chair*



The Prize is Improved Safety

- Pipeline safety stakeholders led by the American Petroleum Institute (API) developed a comprehensive framework of recommended practices for pipeline safety and integrity procedures across the United States.
- Result: New API Recommended Practice 1173 – Pipeline Safety Management System specific to pipeline operators across the United States
- Key components of RP 1173:
 - How top management develops processes to reveal and mitigate safety threats
 - Provide for continuous improvement
 - Make compliance and risk reduction routine through intentional actions by top management, management and employees



SMS Development Team

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NTSB Recommendations

- Proactively address safety issues before they become incidents/accidents.
- Document safety procedures and requiring strict adherence to the procedures by safety personnel.
- Treat operator errors as system deficiencies and not as reasons to punish and intimidate operators.
- Require senior company management to commit to operational safety.
- Identify personnel responsible for safety initiatives and oversight.
- Implement a nonpunitive method for employees to report safety hazards.
- Continuously identify and address risks in all safety-critical aspects of operations.
- Provide safety assurance by regularly evaluating (or auditing) operations to identify and address risks.



RP 1173 Reaches beyond Traditional Standards

- RP 1173 – more philosophical than other RP's and Standards
- The relationship of Safety Culture to Pipeline SMS is greatly expanded
- RP 1173 has the potential to have greater impact on safety performance improvement than many traditional standard setting efforts
- RP 1173 provides an overarching set of ideals for management and employees to pursue safety improvement
- The ideas within RP1173 have evolved through months of team discussion to be practical and within reach of all operators

Pipeline Safety Management System Requirements

API RECOMMENDED PRACTICE 1173
FIRST EDITION, JUNE 2014
DRAFT VERSION 11.2

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Essential Safety Management System Elements

- Leadership and Management Commitment
- Stakeholder Engagement
- Risk Management
- Operational Controls
- Incident Investigation, Evaluation, and Lessons Learned
- Safety Assurance
- Management Review and Continuous Improvement
- Emergency Preparedness and Response
- Competence, Awareness, and Training
- Documentation and Record Keeping



Our Timeline for Publication

Revision 6.0: June 30, 2014

API 1173 - Pipeline Safety Management System

ID	Task	2013						2014											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Draft R-05 (Revision 5)		■																
2	Draft R-06			■															
3	Draft R-07				■														
4	External Reader Group Review/Comment R-07					■													
5	Draft R-08						■												
6	Draft R-09							■											
7	Draft R-10								■										
8	Public Workshop #1								◆										
9	Public / Stakeholder Release - R-10								◆										
10	Public Comment Period R-10								■	■									
11	Comment Resolution / Draft R-11										■	■	■	■	■	■	■	■	■
12	Public Workshop #2												◆						
15	API Balloting (OTG / Final Public Comment Period)													■	■	■	■	■	■
16	ANSI Balloting													■	■	■	■	■	■
17	Comment Resolution / Draft R-12																		
18	API Re-Ballot																		
19	ANSI Re-Ballot																		
20	Comment Resolution / Draft R-13																		
21	Presentation of Final draft of API 1173																		◆
	Workgroup Meetings	7/10	8/23	9/26	10/18	11/20	12/16		2/5		9-10	28-29		29-30	25-26				