



Pipeline and Hazardous Materials
Safety Administration

49 CFR 195 Regulations and Advisory Bulletin Updates 2009



PHMSA

PIPELINE SAFETY

- ◆ **Strategic Plans & Assessment**
- ◆ **Technology & Standards**
- ◆ **Monitoring State Programs**
- ◆ **Compliance**



PHMSA'S MISSION STATEMENT

To ensure the **safe, reliable,**
and **environmentally sound**
operation of the nation's
pipeline transportation
system.



PIPELINE JURISDICTIONS

- ◆ Interstate (A)
(Federal)
- ◆ Intrastate (B)
(State)





STATE PROGRAMS

SECTION 60105 - STATE CERTIFICATIONS

◆ Adopted:

- ▶ Pipeline Safety Regulations as a minimum
- ▶ Enforcement Authority

Pipeline Safety Law





COMPLIANCE

SECTION 60118

- ◆ Operator shall:
 - Comply with Applicable Safety Standards
 - Prepare and Follow an O&M Plan
 - Maintain Records Required by the Safety Standards

Pipeline Safety Law



ENFORCEMENT TRANSPARENCY

- × Website displays Enforcement data
- × <http://primis.phmsa.dot.gov/comm/Index.htm?nocache=5253>
- × Statistical summaries starting in 2002
- × Enforcement documents from 2007 onward
 - + Initial OPS Letter
 - + Operator Response (optional)
 - + Final OPS Letter



LOW STRESS LIQUID REGULATION

- ✘ Phase I for 8-inch diameter & greater
 - + PHMSA issued NPRM in September 2006 focused on unusually sensitive areas
 - + SNPRM , May 18, 2007, FR issued July 3, 2008
 - + All of Part 195 applies to rural gathering, 8.675" or more, within 1/2 mile of a USA
- ✘ Phase II for less than 8-inch diameter
 - + Requires significant data gathering
 - + Assessment of corrosion control regulations



LIQUID INTERNAL CORROSION REGULATIONS

- ✘ Report to Congress on adequacy of Liquid Internal Corrosion Regulations
- ✘ Aspects to be considered include
 - + Periodic Cleaning
 - + Continuous Monitoring
- ✘ Precursor to Phase II Low Stress Liquid Regulations



CONTROL ROOM MANAGEMENT

- ✘ Operator develops human factors management plan, including maximum hours of service limits for controllers
- ✘ Workshop held in 2006.
- ✘ NPRM issued Sept, 2008
- ✘ FR expected later in 2009 ???



SCADA STANDARDS

- ✘ Operator implementation of NTSB Recommendations related to Supervisory Controls and Data Acquisition (SCADA) systems
 - + Use of Graphics
 - + Review and audit of alarms on monitoring equipment
 - + Pipeline controller training



LIQUID LEAK DETECTION TECHNOLOGY

- ✘ Report to Congress on effectiveness of liquid leak detection systems currently in use (CPM)
- ✘ Report will be fed by results of:
 - + IMP inspections
 - + Research & Development projects



HITS AND 911

- ✘ If excavator damages pipeline and product released, the excavator must call 911
- ✘ CGA BP 5-25 – call 911 and pipeline operator
- ✘ Operators who hit their own pipeline and cause a leak are required to call 911
- ✘ Driven by need for improved incident perimeter control for public safety



811 CAMPAIGN FUNDING

- ✘ Recognition of the 811 campaign in federal law
- ✘ Single donation directly to the Common Ground Alliance
- ✘ Not multiple grants to State or Regional groups
- ✘ National campaign kick-off was May 1, 2007 in Washington DC



TRANSMISSION PIPELINE AND LAND USE PLANNING

- × Assembling Enterprise of Stakeholders representing:
 - + Property Developers
 - + Local Governments
 - + Pipeline Industry
- × Identify Best Practices for property development adjacent to Gas Transmission and Liquid pipelines
- × Make these practices available to local government planners to guide property development



ADVISORY BULLETIN ADB-09-01

- ✘ Pipeline Safety: Potential Low and Variable Yield and Tensile Strength and Chemical Composition Properties in High Strength Line Pipe
 - + PHMSA has identified an integrity issue with respect to microalloyed high grade line pipe.
 - + Tests that have been conducted have shown that some of the pipe material has yield strengths, tensile strengths, and/ or chemical compositions that do not meet the requirements of the American Petroleum Institute, Specification for Line Pipe--5L, (API 5L), for PSL 2 and the specified pipe grade.



ADVISORY BULLETIN ADB-09-01

- + In some cases, the affected pipe may successfully pass strength testing methods contained in current specifications but may lead to a future pipeline integrity issue.
- + The presence of low yield strength line pipe installed in a pipeline system may result in increased susceptibility to excessive pipe expansion or rupture during the pre in-service field hydrostatic strength test.



DFR FOR API 5L AND API 1104

This direct final rule incorporates by reference the most recent editions of API Specification 5L "Specification for Line Pipe" and API 1104 "Welding of Pipelines and Related Facilities."

This rule is effective April 14, 2009



DFR FOR API 5L AND API 1104

PHMSA is not eliminating the use of the current referenced standards but simply allowing the additional use of these new standards. PHMSA may in the future propose to eliminate the incorporation of the existing referenced standards.



NPRM, JULY 2, 2009 UPDATES TO PIPELINE AND LIQUEFIED NATURAL GAS REPORTING REQUIREMENTS

For Liquid Pipeline Operators:

Require operators to use a standard form in electronically submitting Safety-Related Condition Reports and Offshore Pipeline Condition Reports. This will ensure consistency of data submitted across the pipeline industry.



NPRM 7/2/2009 CON'T

Modify hazardous liquid operator telephonic notification of accidents to require operators to have and use a procedure to calculate and report a reasonable initial estimate of released product and to provide an additional telephonic report to the National Response Center if significant new information becomes available during the emergency response phase.



NPRM 7/2/2009 CON'T

Require operators of hazardous liquid pipelines to submit pipeline information by State on the annual report for hazardous liquid pipelines.

This data will allow PHMSA to improve its allocation of inspection and other resources through a better understanding of the infrastructure it regulates.



NPRM 7/2/2009 CON'T

Remove obsolete provisions that would conflict with the proposal to require electronic submission of all reports and update OMB control numbers for information collections.



CONTACT INFORMATION

Wallace (Wally) McGaughey
Pipeline Safety Specialist
U.S. Department of Transportation
PHMSA Office of Training and Qualifications

Main (405) 954-7219
Office (405) 954-6806
Fax (405) 954-0206
Email Wallace.Mcgaughey@dot.gov

