



Alabama Gas Pipeline Safety Seminar Dec. 7-9, 2010

PHMSA Rule Update



Advisory Bulletin No. ADB-09-01 Issued May 21, 2009

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- PHMSA has identified an integrity issue with respect to microalloyed high grade line pipe.
- Tests that have been conducted on line pipe that has been installed in pipeline systems, 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 No. ADB-09-01 Issued May 21, 2009

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- PHMSA advises pipeline owners and operators of in service pipelines to review their pipe specifications, pipe steel making and rolling MPS, pipe mill test reports, deformation tool results and all hydrostatic test failure results for both mill and in place hydrostatic tests to ensure that inconsistent mechanical and chemical properties are not inherent in microalloyed line pipe grades **on all API 5L--PSL 2, X70 and X80 line pipe** installed during recent construction projects.



Advisory Bulletin No. ADB-09-03 **Issued Dec 07, 2009**

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- PHMSA advises operators about the standardized notification process for operator qualification (OQ) plan transmittal from the operator to PHMSA.
- We talked about this yesterday in the rule update



Advisory Bulletin No.

ADB-09-04

Issued Jan 19, 2010

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- PHMSA advises operators, beginning with MIS (Management Information System) reports due by March 15, 2010, OPS will begin collecting annual drug and alcohol testing data for contractor employees. Contractors will be identified both by name and business tax identification number (BTIN) in the MIS report. The inclusion of the BTIN will ensure employees of the same contractor are only counted once when OPS calculates the required random testing rate.



Advisory Bulletin No.

ADB-09-04 Issued Jan 19, 2010

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- The total number of covered employees is not limited to those who physically worked in a maintenance, operations, or emergency response role during the previous calendar year. **The definition of "performs a covered function" in Part 199.3 includes actually performing, ready to perform, or immediately available to perform a covered function.** Operators need to be aware of this definition when calculating the number of covered employees for both the operator and contractors. Employees who "perform a covered function", are required to be included in the random drug testing pool. The average size of a properly maintained random drug testing pool defines the number of covered employees.



Advisory Bulletin No. ADB-10-01 Issued Jan 19, 2010

Pipeline Safety: Hazardous Liquid Pipeline Operators

- PHMSA is advising hazardous liquid pipeline operators of the importance of prompt and effective leak detection capability in protecting public safety and the environment.
- Operating plans and procedures through sound engineering analysis will determine if a computer-based leak detection system is necessary
- Improve leak detection & line balance processes.
- If an operator determines that such a system would not improve leak detection performance (if they didn't already have one) and line balance processes, the operator should perform a periodic line balance calculation process and take any other necessary actions required to ensure public safety and to protect the environment.



Advisory Bulletin No.

ADB-2010-01 Issued Feb 03, 2010

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- PHMSA advises owners and operators that the incident/accident report forms for their pipeline systems were recently revised and should be used for all incidents/accidents occurring on or after January 1, 2010.
- Copies of the new forms and instructions are available at <http://phmsa.dot.gov/pipeline/library/forms> or <http://opsweb.phmsa.dot.gov>.
- Any questions regarding this new requirement can be directed to the Office of Pipeline Safety operator helpline at 202-366-8075.



Advisory Bulletin No.

ADB-10-03 Issued March 04, 2010

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- Owners and operators of recently constructed large diameter pipelines should evaluate these lines for potential girth weld failures due to misalignment and other issues by reviewing construction and operating records and conducting engineering reviews as necessary. The assessments should cover all 20-inch or greater, high strength line pipe transitions and cut factory bends or induction bends installed during 2008 and 2009.
- Evaluations should include material specifications, field construction procedures, caliper tool results, deformation tool results, welding procedures including back welding, NDT records, failures or leaks during hydrostatic testing, or in-service operations to identify systemic problems with pipe girth weld geometry.



Advisory Bulletin No.

ADB-10-03 Issued March 04, 2010

Pipeline Safety: Natural Gas and Hazardous Liquid Pipeline Operators

- Even if no girth weld concerns are identified by reviewing construction records, if an operator has any knowledge, findings or operating history that leads them to believe that their line pipe segments contain these type girth weld transitions, the operator should:
- Conduct engineering reviews to ensure that material, engineering design, and field construction procedures were in compliance with 49 CFR Parts 192 and 195. Failure to conduct engineering reviews and to remediate findings may compromise the safe operation of the pipeline.



NPRM Issued July 22, 2009

49 CFR Part 192, 193, 195 Docket ID: PHMSA-2008-0301

Pipeline Safety: Updates to References to Technical Std's and Misc. Edits.

- **Referenced Std. Updates:** Incorporate by reference (IBR) all or parts of new editions of voluntary consensus standards to allow pipeline operators to use current technology, new materials, and other industry and management practices. Also proposes to make non-substantive edits and clarify regulatory language in certain provisions.

(Comments closed September 21, 2009)



Final Rule: Issued April 14, 2009

49 CFR Part 192, 195 Docket ID: PHMSA-2008-0334

Pipeline Safety: Incorporation by Reference (API) 5L and 1104 Std.

- Incorporates by reference the most recent editions of API Specification 5L "Specification for Line Pipe" and API 1104 "Welding of Pipelines and Related Facilities." The purpose of this update is to enable pipeline operators to utilize current technology, materials, and practices to help maintain a high level of safety relative to their pipeline operations. 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.**

(Effective Date: April 14, 2009)



Final Rule Issued Dec 03, 2009

49 CFR Part 192, 195 Docket ID: PHMSA-2007-27954

Pipeline Safety: Control Room Management/Human Factors

- **Control Room Management:** Requires operators of natural gas pipelines, LNG facilities, and hazardous liquids pipelines to amend their existing written operation and maintenance procedures, OQ programs, and emergency plans to assure controllers and control room management practices and procedures are used to maintain pipeline safety and integrity.

(PHMSA Conducted a Public Workshop on CRM, Nov. 17, 2010)

(Effective Date: February 1, 2010)

(Compliance Date: Aug 1, 2011 – Implement Date: Feb 1, 2013)



Challenges for PHMSA

- Meeting New Requirements
 - Pipeline Inspection, Protection, Enforcement, and Safety Act of 2006 (PIPES)
 - Recommendations IG/GAO/NTSB
- Managing Workforce
 - Federal
 - State
 - Knowledge Management/Technical Consensus
- Being More Effective/Efficient
 - Inspection Integration
 - Data Driven/Risk Based
- Preparing Communities
 - Pipeline and Informed Planning Alliance (PIPA)
 - Alternative Energy



Information Available from PHMSA

- Latest News
- Training Calendar
- Joint Industry Training
- Operator Qualification
- Resource Links
- Regulatory Information
- Codes
- Pipeline Safety Laws
- Federal Regulatory Information



PHMSA Information Websites

PHMSA Training and Qualifications

<http://www.phmsa.dot.gov/pipeline/tq>

PHMSA Pipeline Safety Regulations

<http://www.phmsa.dot.gov/pipeline/tq/regs>

PHMSA Rulemaking

<http://www.phmsa.dot.gov/pipeline/regs/rulemaking>