



Pipeline and Hazardous
Materials Safety Administration

California, Office of the State Fire Marshall, Pipeline Safety Workshop

49 CFR 195, AB's, ANPRM's and NPRM's



Advisory Bulletins

- ADB 10-01
 - Leak Detection on Hazardous Liquid Pipelines
 - Importance of prompt and effective leak detection capability to protect public safety and the environment.
 - Operating plans and procedures should include an engineering analysis to determine if a computer based system is needed to improve response.
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Advisory Bulletins

- ADB 09-03
 - Operator Qualification Programs
 - Standardized Notification Process
 - Significant change notification process
 - InformationResourcesManger@phmsa.dot.gov
 - State regulated operators notify their State Agency
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Advisory Bulletins

- Include the following information in the notice regardless of method of delivery
 - OPID
 - HQ Address
 - Name of individual submitting the notification
 - Data/email/phone number/Commodity/PHMSA Region/name of facilities where changes apply
 - Complete plan and change log
 - Employee specific info is not necessary
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Advisory Bulletins

- Definitions update
 - Observations of On-the-Job Performance
 - Observe without interaction not an adequate measure of KSA's
 - PHMSA has determined there no CT's where OJT alone will suffice for qualification
 - OJT does not measure AOC recognition and reaction
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Advisory Bulletins

- Significant
 - Includes but not limited to
 - Increased evaluation intervals
 - Increased span of control
 - Eliminating covered tasks
 - Mergers and/or acquisition changes
 - Changes in evaluation methods
 - Wholesale changes to the OQ Program
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Advisory Bulletins

- **Miscellaneous Clarifications!!**
 - Review your OQ program and procedures at the same frequency required and in accordance with 192.605(a) and 195.402(a)
 - Review your OQ program and procedures in accordance with 192.605(b)(8) and 195.402(c)(13) for effectiveness and identify deficiencies
 - PHMSA will inspect annual review records to verify the above has been done
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Advisory Bulletins

- March 24, 2010 – Advisory to notify Operators of recently constructed large diameter pipe for potential girth weld failures due to weld quality issues
 - Misalignment may cause leaks or ruptures at pressures well below 72% SMYS
 - PHMSA reviewed several recent projects from 2008 and 2009 with 20 inch or greater diameter, grade X70 and higher line pipe
 - Misalignment, improper bevel, and wall thickness transitions all were identified as issues with the failures
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Advisory Bulletins

- April 29, 2010 – Notice advises owners of pipeline facilities that the incident/accident report forms for their systems are now available for electronic filing.





- June 22, 2010 – NPRM to amend pipeline safety regulations to apply safety regulations to rural low-stress HL pipeline that are not covered by 49 CFR 195
 - This was done in accordance with the requirements of the PIPES Act of 2006
 - Phase 2, proposing to impose Part 195 safety requirements to all rural low-stress pipeline not included in the 2007 phase 1 rule
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Advisory Bulletins

- June 28, 2010 – Notification to Operators of HL pipelines that PHMSA is reminding Operators to:
 - review and update their Spill Response Plans
 - make emergency agencies aware of the plans
 - Operators must calculate worst case discharge and determine response accordingly
 - identify resources necessary to respond to a spill
 - training necessary to ensure personnel know how to identify a release and react to it
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Advisory Bulletins

- August 3, 2010 – issued a bulletin regarding personal electronic devices (PED)
 - Operators should be aware of the risk associated with the use of PED during the performance of operation and maintenance activities
 - potential for distraction during the use of PED while driving or performing activities on behalf of the Operator
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FR – Final Rule

- August 11, 2010, PHMSA is amending the Federal pipeline safety regulations to incorporate by reference all or parts of 40 new editions of voluntary consensus technical standards
 - **See 195.3 in your Regulations book for a list of the IBR standards added, modified or released**
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Notice

- Nov 17, 2010 PHMSA hosted a free workshop on implementation of the Control Room Management Rule.
 - Summary of the components of the rule
 - Overview
 - Definitions of Controller
 - Previously Submitted Questions and Discussion
 - Fatigue and Maximum Hours of Service (Panel)
 - Alarms (Panel)
 - Roles and Responsibilities (PHMSA)
 - Adequate Information (Panel)
 - Remaining Items of Concern (PHMSA)
 - Open Questions and Discussion
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- September 17, 2010, proposes to expedite the program implementation deadline to August 1, 2011, for most of the requirements
 - An operator must develop and implement the procedures no later than August 1, 2011, except the procedures required by paragraphs (c)(1) through (c)(4) and (e) of this section must be developed no later than August 1, 2011, and implemented no later than August 1, 2012.
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- October 18, 2010, considering whether changes are needed to the regulations covering hazardous liquid onshore pipelines
 - extend regulation to certain pipelines currently exempt from regulation
 - areas along a pipeline be identified for extra protection or be included as additional high consequence areas (HCAs) for Integrity management (IM) protection
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ANPRM Continued

- whether to establish and/or adopt standards and procedures for minimum leak detection requirements for all pipelines
 - whether to require the installation of emergency flow restricting devices (EFRDs) in certain areas
 - whether revised valve spacing requirements are needed on new construction or existing pipelines
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ANPRM continued

- whether repair timeframes should be specified for pipeline segments in areas outside the HCAs that are assessed as part of the IM
 - whether to establish and/or adopt standards and procedures for improving the methods of preventing, detecting, assessing and remediating stress corrosion cracking (SCC) in hazardous liquid pipeline systems
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- November 3, 2010, to remind operators of gas and hazardous liquid pipeline facilities that they must make their pipeline emergency response plans available to local emergency response officials
 - PHMSA intends to evaluate the extent to which operators have provided their emergency plans to local emergency officials when PHMSA performs future inspections for compliance with liaison and public awareness code requirements.
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- November 26, 2010, This final rule revises the Pipeline Safety Regulations to improve the reliability and utility of data collections from operators
 - These revisions will improve both the data and the analyses PHMSA and others rely on to make critical, safety-related decisions, such as inspection, based on a more accurate accounting of risk.
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- January 3, 2011, The National Transportation Safety Board today issued safety recommendations, classified as "Urgent," as a result of its investigation into the pipeline rupture and explosion that killed eight people and destroyed 37 homes in San Bruno, Calif., on September 9, 2010.
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- To Operator PG&E
 - Conduct an intensive records search to identify all the gas transmission lines that had not previously undergone a testing regimen designed to validate a safe operating pressure (urgent recommendation)
 - Determine the maximum operating pressure based on the weakest section of pipeline or component identified in the records search referenced above (urgent recommendation); and
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NTSB continued

- If unable to validate a safe operating pressure through the methods described above, determine a safe operating pressure by a specified testing regimen.
 - NTSB has made an urgent recommendation to PHMSA to inform the pipeline industry of the circumstances of the San Bruno accident and investigative findings so that pipeline operators can proactively implement any corrective measures for their respective pipeline systems
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FORM

- January 10, 2011, The Pipeline and Hazardous Materials Safety Administration has released the new Public Awareness Program (PAP) Effectiveness Inspection Form.
 - PHMSA Form 21.
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- January 10, 2011, to remind operators of hazardous liquid pipeline facilities of their responsibilities, under Federal integrity management (IM) regulations, to perform detailed threat and risk analyses that integrate accurate data and information from their entire pipeline system, especially when calculating Maximum Operating Pressure (MOP), and to utilize these risk analyses in the identification of appropriate assessment methods, and preventive and mitigative measures. For both liquid and gas PL
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FAQ's

- February 24, 2011, PHMSA issued a draft version of Control Room Management Frequently Asked Questions.
- The FAQ's can be found at this link.
 - <http://primis.phmsa.dot.gov/crm/faqs.htm>





- May 5, 2011, PHMSA issued the final rule on amending the pipeline safety regulations to apply safety regulation to rural low-stress pipelines that were not covered previously in compliance with the Pipeline Inspection, Protection, Enforcement, and Safety Act of 2006 (PIPES Act)
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FR continued

- The final rule goes into effect October 1, 2011
 - PHMSA is bringing the remaining rural onshore low-stress pipelines not regulated by phase one under the safety regulations of 49 CFR part 195. These lines include rural low-stress pipelines with a diameter of less than 8 5/8 inches that are within one-half mile of a USA and rural low-stress pipelines of any size diameter that are outside of the one-half mile USA buffer.
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QUESTIONS????

