

Steel Pipelines for High Pressure Gas Transmission (Recommendations on Transmission & Distribution Practice S.)

Institution of Gas Engineers and Managers - Federal :: Pipeline Safety: Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments

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Notes: -

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Natural Gas Delivery System Materials

Its telephone number is 360-543-5686.
This proposal directly correlates to section

23 of the 2011 Pipeline Safety Act and NTSB recommendation P-11-14 regarding the need for spike hydrostatic testing where in-service incidents have occurred. Pressure Regulating Installations PRIs are deemed to be part of the pipeline by the Pipelines Safety Regulations 1996.

Regulations Section

All girth welds are nondestructively tested at the time of construction; f. In the interim, operators of such pipeline segments must use Charpy V-notch toughness values of 5-ft. Additionally, commenters stated this requirement could be unnecessarily costly and have a negative impact on pipeline safety, as the integrity of the pipeline would need to be compromised to perform these evaluations and a new joint of pipe would need to be welded onto the existing pipeline.

Pipelines: frequently asked questions

They can operate over a wide range of pressures, from a relatively low 200 pounds per square inch gage psig to Start Printed Page 52183over 1,500 psig. Advance Notice of Proposed Rulemaking On August 25, 2011, PHMSA published an ANPRM to seek public comments regarding the revision of the Federal Pipeline Safety Regulations applicable to the safety of gas transmission pipelines.

Natural Gas Pipeline Safety Setback

These systems are essentially sophisticated communications systems that take measurements and collect data along the pipeline usually in a metering or compressor stations and valves and transmit it to the centralized control station. The GPAC suggested that this new fracture mechanics section outline a procedure by which operators perform fracture mechanics analysis when required or allowed by other sections of part 192, which was similar to its treatment of the proposed material properties verification procedures at § 192. PHMSA did not intend that the requirements proposed in § 192.

High pressure pipelines for gas transmission

PHMSA is also withdrawing miscellaneous revisions to § 192. Commenters requested that PHMSA explicitly exclude distribution pipelines from these definitions, which would be applicable to all part 192. Some commenters questioned whether the MAOP from which to take a pressure reduction was based on the most recent pressure test or the historical highest-pressure test, and some commenters suggested PHMSA revise this provision to allow operators to reconfirm the MAOP based on the existing MAOP and not using an 18-month look-back period unless an incident caused by a material-related or construction-related defect has occurred on the pipeline since its last subpart J pressure test.

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PHMSA included this option to allow and encourage the continual research and development needed to improve state-of-the-art fracture mechanics analysis, integrity assessment methods, advances in metallurgical engineering, and new techniques.

High Pressure Gas Pipeline Map

Main Connections Plastic service lines may be connected to metal mains using fittings with compression ends or other transitions connections.

UP: Pipeline Engineering Specs

Previously, the provisions were applicable to those pipeline segments without traceable, verifiable, and complete subpart J pressure test records.

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