Introduction to Part 192 - Gas Pipeline Code

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Overview

- Why was Part 192 created?
- Who is required to follow Part 192?
- Identify the different subparts within 192
- Common alleged violations

Why was Part 192 created? (1 of 3)

- 1968 – Natural Gas Pipeline Safety Act
  - Authorized the Secretary of Transportation to prescribe safety standards for the transportation of natural and other gas by pipeline, and for other purposes.
- Basis of current Part 192 code
- PROMOTES PUBLIC SAFETY

Why was Part 192 created? (2 of 3)

- The Office of Pipeline Safety (OPS) was established to administer the requirements of the Natural Gas Pipeline Safety Act
  - The Act covers all aspects of pipelines that deliver natural or other gases
  - OPS only focuses on gas transmission, distribution, and certain gathering lines as defined in Part 192.

Why was Part 192 created? (3 of 3)

- Part 192 - Transportation of Natural or Other Gases by Pipeline: Minimum Federal Safety Standards
  - Section of code that governs design, operation, maintenance, and construction of gas pipelines
  - MINIMUM STANDARDS
  - States may have additional regulations above those requirements

Who is required to follow Part 192? (1 of 2)

- Pipeline facilities and the transportation of gas including pipeline facilities and the transportation of gas within the limits of the outer continental shelf as that term is defined in the Outer Continental Shelf Lands Act.

Who is required to follow Part 192? (2 of 2)

- **Distribution**
- **Transmission**
- **Gathering**
  - Type A
  - Type B
  - Type C

  Defined in 192.3 and for gathering types 192.8

Identify the different subparts within 192 (1 of 5)

- Part
  - *49 CFR Part 192* – Gas Pipelines
- Part 192 is divided into subparts to address general topics.
  - Subpart N – Operator Qualification
- Subparts are then further divided into specific topics by numbered section.
  - *§192.807* – Recordkeeping
- Each numbered section includes paragraphs and subparagraphs.
  - *§192.807(a)* – This subpart prescribes the minimum requirements for operator qualification of individuals performing covered tasks on a pipeline facility.

Identify the different subparts within 192 (2 of 5)

- Subpart A – General
  - Scope of this part
  - Documents that are incorporated by reference
  - Who is regulated
- Subpart B – Materials
  - Type of pipe and components used in pipelines
- Subpart C – Pipe Design
  - The pipe is designed and installed with adequate protection
- Subpart D – Design of Pipeline Components
  - The component and facilities are designed and installed with adequate protection
- Subpart E – Welding of Steel in Pipelines
  - Welding of steel materials in pipelines

Identify the different subparts within 192 (3 of 5)

- Subpart F – Joining of Materials other than by Welding
  - Joining materials in the pipeline, other than by welding
- Subpart G – General Construction Requirements for transmission lines and mains
  - Requirement for constructing pipelines
- Subpart H – Customer meters, service regulators, and service lines
  - The installation of customer piping and components

Identify the different subparts within 192 (4 of 5)

- Subpart I – Requirements for Corrosion
  - The protection of metallic pipelines from external, internal, and atmosphere corrosion.
- Subpart J – Test Requirements
  - Leak-test and strength-test requirements for pipelines
- Subpart K – Uprating
  - Increasing maximum allowable operating pressure for pipelines.
- Subpart L – Operations
  - The minimum requirements for the operation of pipeline facilities

Identify the different subparts within 192 (5 of 5)

- Subpart M – Maintenance
  - The minimum requirements for the maintenance of pipeline facilities
- Subpart N – Qualification of Pipeline Personnel
  - The qualification of individuals performing covered tasks on a pipeline facility
- Subpart O – Gas Transmission Pipeline Integrity Management
  - The minimum requirements for an integrity management program
- Subpart P – Gas Distribution Pipeline Integrity Management
  - The minimum requirement for a distribution integrity management program

Common Alleged Violations (1 of 7)

- ***192.605(a)*** – The operator had not reviewed and updated the operations and maintenance manual at intervals not exceeding 15 months, but at least once each calendar year.

Common Alleged Violations (2 of 7)

- ***192.616(j)*** – The master meter or petroleum gas system, written procedure did not include:
  - (1) A description of the purpose or reliability of the pipeline;
  - (2) An overview of the hazards of the pipeline and the prevention measures used;
  - (3) Information about damage prevention;
  - (4) How to recognize and respond to a leak; and
  - (5) How to get additional information

Common Alleged Violations (3 of 7)

- ***192.463(a)*** – For the pipeline(s) listed below, each cathodic protection system required by 49 CFR Part 192, Subpart I, did not provide a level of cathodic protection that complied with one or more of the applicable criteria contained in Part 192, Appendix D.

Common Alleged Violations (4 of 7)

- ***192.739(a)*** – Each pressure limiting station, relief device (except rupture discs), pressure regulating station, and its equipment must be subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is:

  1. In good mechanical condition.

  2. Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed.

  3. Set to control or relieve at the correct pressure consistent with the pressure limits of *192.201(a)*.

  4. Properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.

Common Alleged Violations (5 of 7)

- ***192.465(a)*** –The cathodic protection system at the listed location(s) has not been monitored at least once each calendar year, within intervals not exceeding 15 months.

Common Alleged Violations (6 of 7)

- ***192.603(b)*** – Records necessary to administer the operation and maintenance plan were not maintained or were inadequate.

Common Alleged Violations (7 of 7)

- ***192.747(a)*** – The listed valve(s) which may be necessary for the safe operation of the distribution system, was not checked and serviced at intervals not exceeding 15-months, but at least once each calendar year.

Questions

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