







Do I have a Regulated Pipeline?

August 3, 2021

The meeting will begin shortly.























Do I Have a Regulated Pipeline? **Derek Lawrence**

August 2021















Power Point Presentation



This presentation is available for download from the RRC website at https://www.rrc.texas.gov/oil-and-gas/workshops-and-conferences/rrc-regulatory-webinars-2021-schedule/

Agenda



RRC Jurisdiction

Pipeline Safety Overview

Helpful Links and webpages

Regulation changes

A Little About Myself



- 6 years in August of 2021
- Operator Qualification Lead
- Inspector in Regions 1 and 2

Jurisdiction (1 of 2)



- Oil and natural gas exploration & production industry
- Intrastate pipelines, natural gas and hazardous liquid pipeline industry
- Liquefied Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Liquefied Natural Gas (LNG)
- Natural gas utilities
- Coal and uranium surface mining operations

Jurisdiction (2 of 2)



What does not fall under RRC jurisdiction?

- Roads & traffic
- Noise, odors and lighting
- Air quality
- Mineral interests/leases
- Railroads
- Pipeline siting
- Property damages

Pipeline Safety Responsibilities



- Distribution, Transmission, and Hazardous Liquids
- Safety inspection of regulated pipeline systems
- Investigation of pipeline incidents/accidents
- Respond to public complaints and inquires
- Pipeline permitting and mapping
- Pipeline damage prevention compliance

State of the State Report (1 of 2)

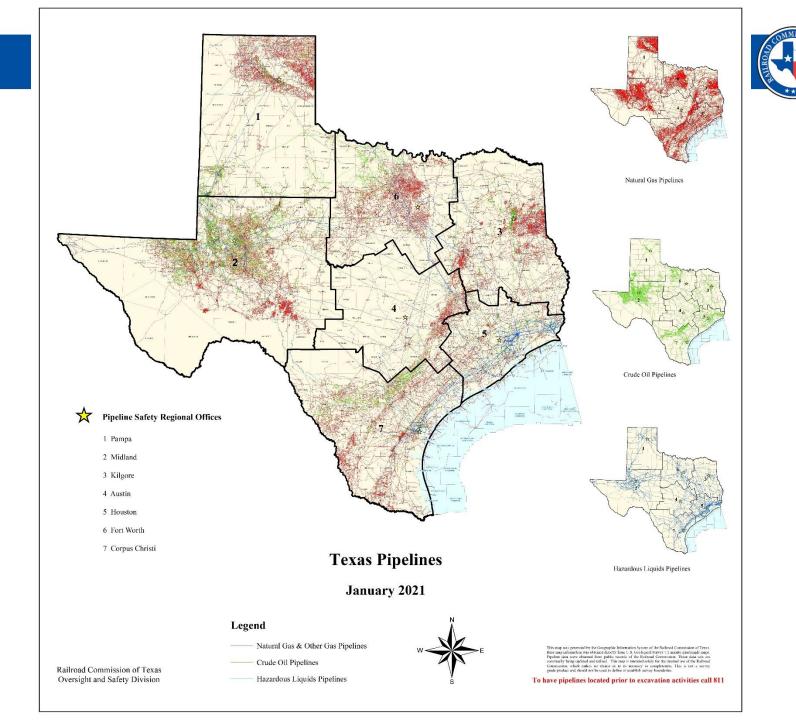


- 479,798 total pipeline miles in Texas
- 427,513 miles of pipeline under RRC oversight
 - RRC regulates intrastate pipeline in Texas
 - interstate pipeline regulated by Pipeline and Hazardous Materials Safety Administration (PHMSA)
 - Oil and Gas Division responds to spills

State of the State Report (2 of 2)

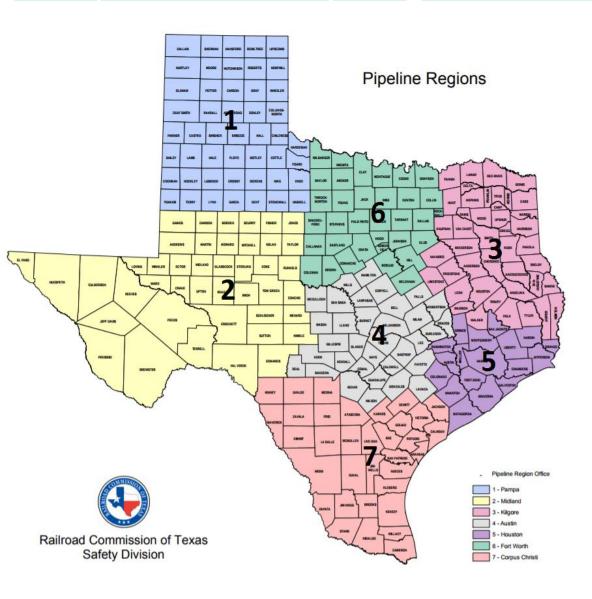


- These mileages account for 1/6 the total pipeline mileage of the entire US.
 - LP and Gas Distribution Lines: 160,860 miles
 - Hazardous liquid and natural gas transmission:
 72,370 miles
 - Hazardous liquid and natural gas gathering lines:
 8,656 miles
 - Interstate lines: 52,285 miles
 - About 600 operators



Pipeline Safety Regional Offices





- 1 Pampa
- 2 Midland
- 3 Kilgore
- 4 Austin
- 5 Houston
- 6 Fort Worth
- 7 Corpus Christi

Regulations



What do we mean by regulated pipelines?

- Natural Gas Pipelines: 49 CFR Part 192
- Hazardous Liquid Pipelines: 49 CFR Part 195
- RRC Pipeline Regulations: TAC Chapter 8
- RRC Damage Prevention: TAC Chapter 18

What is a Regulated Pipeline? (1 of 4)



- Natural Gas Pipelines
 - All Distribution and Transmission lines
 - Defined under 49 CFR 192.3
 - Some Gathering pipelines
 - Class 2, 3 and 4 locations
 - Class locations are determined under 192.5
 - Amending of 192.5 in 2020, records for current class location of each pipeline are required by 192.5(d).
- Petroleum Gas System-192.11
 - NFPA 58 and NFPA 59

What is a Regulated Pipeline? (2 of 4)



- 195.1(a)
 - 1. HVL (Highly Volatile Liquids) Pipelines
 - 2. Any pipeline segment that crosses a navigable waterway
 - 3. Except for a gathering line not covered by (a)(4) of this section, any pipeline in a rural or non-rural area of any diameter regardless of operating pressure.

What is a Regulated Pipeline? (3 of 4)



- 195.1(a)
 - 4. Gathering Lines
 - i. A pipeline in a non-rural area;
 - ii. A regulated rural gathering line as provided in 195.11; or
 - iii. A pipeline in an inlet of the Gulf of Mexico as provided in 195.413
 - 5. For purposes of the reporting requirements in Subpart B of this part, any gathering line not already covered under paragraphs (a)(1), (2), (3), or (4). (Effective June 01, 2020.)

What is a Regulated Pipeline? (4 of 4)



- What is a regulated rural gathering line?
 - Nominal Diameter from 6 5/8 inches to 8 5/8 inches Nominal Diameter.
 - Located in or within one-quarter mile of an unusually sensitive area (USA) as defined in 195.6
 - Operates at a maximum pressure established under 195.406.

Natural Gas Regulations



- 49 CFR 192.8: How are onshore gathering lines and regulated onshore gathering lines determined?
 - API RP 80
- 49 CFR 192.9: What requirements apply to gathering lines?
 - Type A
 - Type B

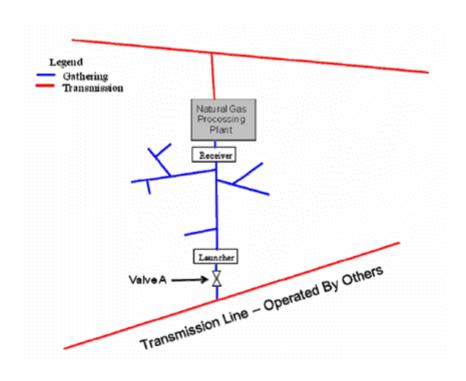
Frequently Asked Questions



Review: Diagrams from FAQs about gathering lines

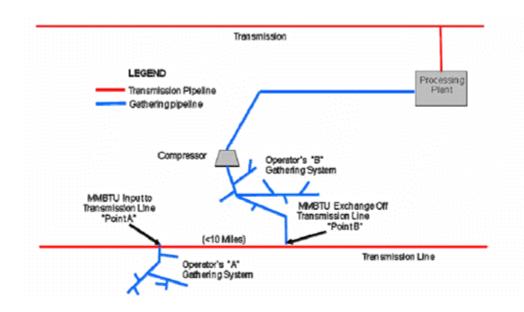
Purchasing Gas Pushing Pigs





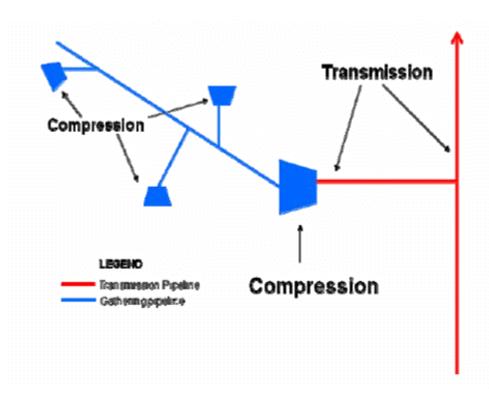
Gas Processing





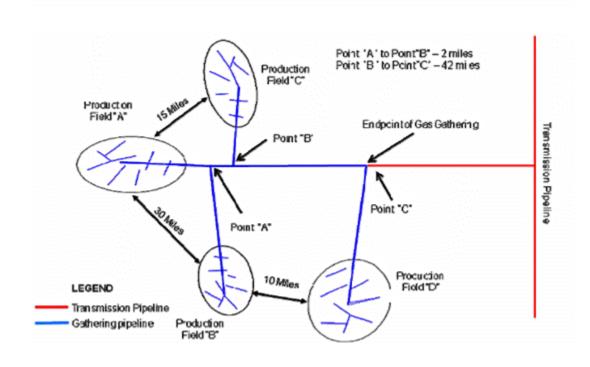
Gas Compression





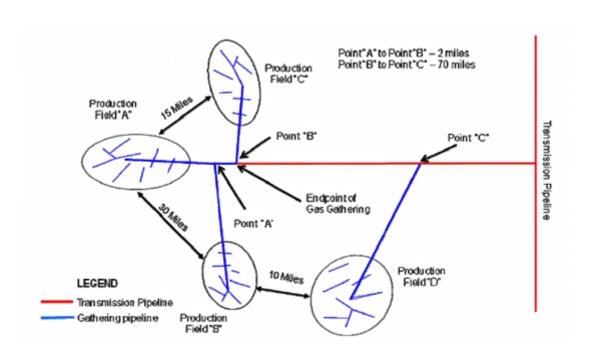
Point of Last Commingling (1 of 4)





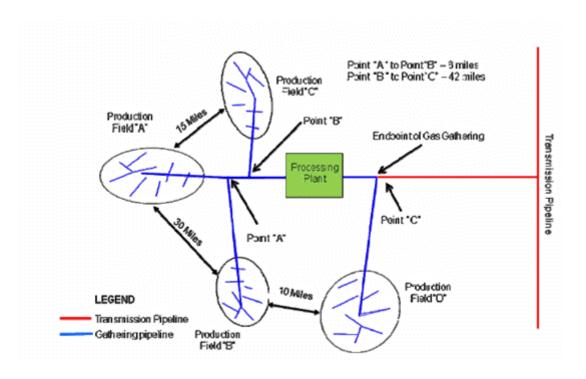
Point of Last Commingling (2 of 4)





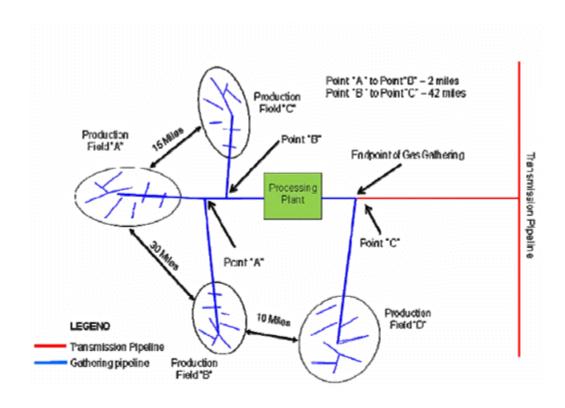
Point of Last Commingling (3 of 4)





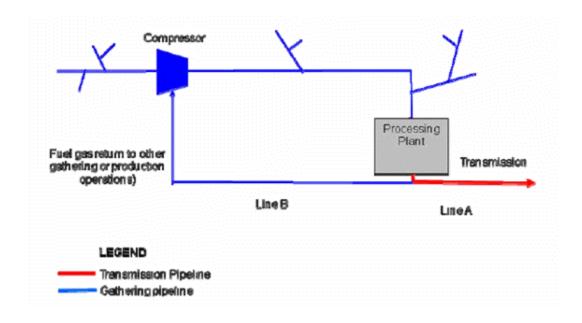
Point of Last Commingline (4 of 4)





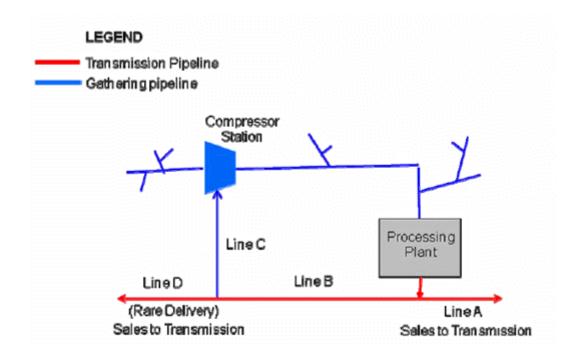
Classification of Fuel Gas Return Lines





Part time Transmission/Gathering





Hazardous Liquid Regulations



- 49 CFR 195.11: What is a regulated rural gathering line and what requirements apply?
 - Pipe size, location and operating pressure

- 49 CFR 195.8 Transportation of hazardous liquid or carbon dioxide in pipelines constructed with other than steel pipe
 - Pipeline material must be steel

195.12-Low Stress Pipelines (1 of 7)



- Has a nominal diameter of 8 5/8 inches or more;
- Is located in or within ½ mile of an unusually sensitive area (USA) as defined in 195.6; and
- Operates at a maximum pressure established under 195.406 corresponding to:
 - A) A stress level equal to or less than 20% of the SMYS of the line pipe; or B) If the Stress Level is unknown or the line is not constructed with steel pipe, a pressure equal to or less than 125 psi gauge.

195.12-Low Stress Pipelines (2 of 7)



- Category 1 pipeline must
 - Identify all segments meeting this criteria
 - Comply with the reporting requirements of Subpart B
 - IM Requirements
 - Comply with all other safety requirements of this part.

195.12-Low Stress Pipelines (3 of 7)



- Has a nominal diameter of less than 8 5/8 inches;
- Is located in or within ½ mile of a USA defined in 195.6
- Operates at a maximum pressure established under 195.406 corresponding to:
 - A stress level equal to or less than 20-percent of the specified minimum yield strength of the line pipe; or
 - If the stress level is unknown or the pipeline is not constructed with steel pipe, a pressure equal to or less than 125 psi (861 kPa) gage.

195.12-Low Stress Pipelines (4 of 7)



- Identify all segments of a pipeline meeting the criteria in paragraph (b)(2)
- Comply with the reporting requirements of Subpart B for the identified segments.
- -IM
 - Establish a written IM program that complies with 195.452.
 - An operator may conduct a determination per 195.452(a) in lieu of the ½ mile buffer
 - Complete baseline assessment.
- Comply with all other safety requirements of this part.

195.12-Low Stress Pipelines (5 of 7)



- Has a nominal diameter of any size and is not located in or within ½ mile of a USA defined in 195.6
- Operates at a maximum pressure established under 195.406 corresponding to a stress level equal to or less than 20% of the specified SMYS of the line pipe.
- If the stress level is unknown or the pipeline is not constructed with steel pipe, a pressure equal to or less 125 psig.

195.12-Low Stress Pipelines (6 of 7)



- (3) An operator of a Category 3 pipeline must:
- (i) Identify all segments of pipeline meeting the criteria in paragraph (b)(3) of this Section before July 1, 2012.
- (ii) Beginning no later than January 3, 2009, comply with the reporting requirements of Subpart B for the identified segments.
- (A)(iii) Comply with all safety requirements of this Part, except the requirements in § 195.452, Subpart B, and the requirements in Subpart H, before October 1, 2012. Comply with Subpart H of this Part before October 1, 2014.

195.12-Low Stress Pipelines (7 of 7)



- Record Retention.
 - An operator must maintain the segment identification records for the life of the pipeline
 - Except for the segment identification records, all other records must be maintained according to the record retention requirements of the referenced section or subpart.

195.13-Liquid Gravity Lines



- Comply with the reporting requirements of Subpart B
- Exceptions:
 - Does not apply to HL in a gravity line that meets the definition of a low-stress pipeline, travels no farther than 1 mile from a facility boundary, and does not cross any waterways used for commercial naviagation
 - Reporting requirements of 195.52, 195.61, and 195.65.
 - Drug and Alcohol testing requirements

195.15-Reporting Only Gathering Lines(1 of 2)

 Gathering lines that do not otherwise meet the definition of a regulated rural gathering line in 195.11 and any gathering line not already covered under 195.1(a)(1-4) must comply with the requirements of subpart B of this part.

195.15-Reporting Only Gathering Lines(2 of 2)

• (c) Exceptions.

- (1) This section does not apply to those gathering lines that are otherwise excepted under §195.1(b)(3), (7), (8), (9), or (10).
- (2) The reporting requirements in §§§§195.52, 195.61, and 195.65 do not apply to the transportation of a hazardous liquid in a gathering line that is specified in paragraph (a) of this section.
- (3) The drug and alcohol testing requirements in part 199 of this subchapter do not apply to the transportation of a hazardous liquid in a gathering line that is specified in paragraph (a) of this section.

TAC 8.110- Gathering Pipelines



- Scope
- Safety
- Reporting
- Investigation
- Corrective Action and Prevention of Recurrence

Pipeline Safety—Permitting (1 of 2)



- What is a T-4 permit?
 - An application to operate a pipeline in Texas
- What is needed?
 - Form P5 Organization Report (always)
 - Non-Utility Certificate (private line only)
- Why you file
 - To classify each pipeline(s) system(s) and or gathering system(s)
 - To renew original T4
 - To amend original T4

Pipeline Safety—Permitting (2 of 2)



- How do you file?
 - Online!
 - Pipeline Online Permitting System (POPS)
 - http://www.rrc.state.tx.us/pipelinesafety/permitting/instructions-for-completingthe-form-t-4-online/

Permitting Contact Information (1 of 2)



Contact Information

Permitting

Bruce Waterman: 512-463-3046

Ryan Hejl: 512-463-3863

Karley Bisbano: 512-463-6828

Email: POPS@rrc.texas.gov

Mapping

Lori Mireles: 512-463-7032

Colby Broadway: 512-524-6019

Chris Vincent: 512-463-6519

Email: RRC.Mapping@rrc.Texas.gov

Permitting Contact Information (2 of 2)



Contact Information

Admin. Support: Andy Martinec: 512-463-6991

Pipeline Permitting Mainline: 512-463-6802

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Questions?

Contact Information



- Phone #: 512-971-3067
- Derek.Lawrence@rrc.Texas.gov

Commissioner Contact Information



Wayne Christian, Chairman Christi Craddick, Commissioner Ryan Sitton, Commissioner

1701 N. Congress Ave.

P.O. Box 12967

Austin, TX

78711-2967

Evaluation & Archive Video



Evaluation

 Please complete the evaluation available on the RRC website at https://survey.alchemer.com/s3/6403402/2
 021-RRC-Regulatory-Webinars-Oil-Gasand-Pipeline-Safety-Evaluation

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