NOTICE OF INTENT
Department of Entergy and Natural Resources
Office of Conservation

Pipeline Safety
(LAC 43:XIII:Chapters 1-51 & LAC 33:V.Chapters 301-305)

The Department Energy and Natural Resources, Office of Conservation proposes to amend LAC43:XIII & LAC 33:V in accordance with the provisions of the Administrative Procedure Act, R.S. 49:950 et seq., and pursuant to the power delegated under the laws of the state of Louisiana.

The proposed rule changes are required as a part of the Department Energy and Natural Resources certification agreement with the US Department of Transportation and are intended to adopt existing federal regulations as state regulations. In addition there are state specfic changes to LAC 43.VIII.322 and to LAC 33:V.30146 to correct a date for the operator registration each year.

Title 43
NATURAL RESOURCES
Part XIII. Office of Conservation—Pipeline Safety

Subpart 2. Transportation of Natural Gas and Other Gas by Pipeline [49 CFR Part 191]

Chapter 3. Annual Reports, Incident Reports and Safety Related Condition Reports [49 CFR Part 191]

§301. Scope [49 CFR 191.1]

A. – C.2. …

3. within inlets of the Gulf of ~~Mexico~~America, except for the requirements in §2712 of this Part. [49 CFR 191.1(c)(3)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:218 (April 1983), amended LR 10:510 (July 1984), LR 11:255 (March 1985), LR 18:854 (August 1992), LR 27:1536 (September 2001), LR 30:1220 (June 2004), LR 33:473 (March 2007), LR 38:110 (January 2012), LR 45:66 (January 2019), LR 49:1098 (June 2023).

§322. National Registry of Operators [49 CFR 191.22]

A. OPID Request. Effective January 1, 2012, each operator of a gas pipeline, gas pipeline facility, UNGSF, LNG plant, or LNG facility must obtain from PHMSA an Operator Identification Number (OPID). An OPID is assigned to an operator for the pipeline, pipeline facility, or pipeline system for which the operator has primary responsibility. To obtain an OPID, an operator must submit an OPID Assignment Request DOT Form PHMSA F 1000.1 through the National Registry of Operators in accordance with §307. For intrastate facilities subject to the jurisdiction of the Office of Conservation, the operator must concurrently file an online OR-1 Submission (Operator Registration) for Pipeline Safety with the same name as the OPID request at http://www.sonris.com. Each operator must validate the OR-1 annually by January 1<u>5</u> each year. [49 CFR 191.22(a)]

1. Each operator of a Special Class System must file an online OR-1 Submission (Operator Registration) for Pipeline Safety at http://www.sonris.com. Each Special Class System operator must validate the OR-1 annually by January 1<u>5</u> each year.

B. – D. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 38:112 (January 2012), amended LR 44:1032 (June 2018), LR 45:67 (January 2019), LR 46:1575 (November 2020), LR. 47:1140 (August 2021), LR:

Subpart 3. Transportation of Natural Gas or Other Gas by Pipeline: Minimum Safety Standards [49 CFR Part 192]

Chapter 5. General [49 CFR Part 192 Subpart A]

§501. What is the Scope of this Subpart? [49 CFR 192.1]

A. – B.4.b. …

c. within inlets of the Gulf of ~~Mexico~~America, except for the requirements in §2712; or [CFR 49 192. 1(b)(4)(iii)]

B.5. – B.5.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 30:1224 (June 2004), amended LR 33:474 (March 2007), LR 35:2800 (December 2009), LR:

§503. Definitions [49 CFR 192.3]

A. As used in this Part:

* * *

*Gulf of ~~Mexico~~*America and *its Inlets*—the waters from the mean high water mark of the coast of the Gulf of ~~Mexico~~America and its inlets open to the sea (excluding rivers, tidal marshes, lakes, and canals) seaward to include the territorial sea and Outer Continental Shelf to a depth of 15 feet (4.6 meters), as measured from the mean low water.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 30:1224 (June 2004), amended LR 31:679 (March 2005), LR 33:474 (March 2007), LR 35:2800 (December 2009), LR 38:112 (January 2012), LR 44:1033 (June 2018), LR 45:68 (January 2019), LR 46:1577 (November 2020), LR 49:1099 (June 2023), LR 50:1246 (September 2024), LR:

§507. What Documents are Incorporated by Reference Partly or Wholly in this Part? [49 CFR 192.7]

A. Certain material is incorporated by reference into this Subpart with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51~~. The materials listed in this Section have the full force of law.~~ All approved <u>incorporation by reference (IBR)</u> material is available for inspection at Office of Pipeline Safety, Pipeline

and Hazardous Materials Safety Administration, 1200 New Jersey Avenue S.E., Washington, D.C. 20590, 202-366-4046 https://www.phmsa.dot.gov/pipeline/regs, and at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, visit www.archives.gov/federal-register/cfr/ibr-locations.html or email fr.inspection@nara.gov ~~or go to www.archives.gov/federal-register/cfr/ibr-locations.html~~. It is also available from~~form~~ the sources in the following paragraphs of this section. [49 CFR 192.7(a)]

Source and Name of Referenced Material	Approved for Title 43 Reference
B. American Petroleum Institute (API), 200 Massachusetts Ave N.W., Suite 1100, Washington, D.C. 20001-5571, and phone: 202-682-8000, Web site: *https://www.api.org/*.	
B.1. – B.6. …	
7. API Specification 5L, "Specification for Line Pipe,"4~~5~~5th edition~~, effective July 1, 2013~~,, April 2018, including Errata 1 (May 2018), (API Spec 5L)	§§705.E ; 912.A-E; 913; Item I of 5103
8. ANSI/API Specification 6D, "Specification for Pipeline Valves,"2~~4~~3rd edition~~, effective October 1, 2008, including Errata 1 (June 2008), Errata2 (/November 2008), Errata 3 (February 2009), Errata 4 (April 2010), Errata 5 (November 2010), Errata 6 (August 2011) Addendum 1 (October 2009), Addendum 2 (August 2011), and Addendum 3 (October 2012), (ANSI/API Spec 6D).~~, August 2014, including Errata 1 through 10 (October 2014 through July 2021), Addendum 1 (March 2015), and Addendum 2 (June 2016), (API Spec 6D)	§1105.A
9. API Standard 1104, "Welding of Pipelines and Related Facilities," 2~~0~~10th edition~~, October 2005, including errata/addendum (July 2007) and errata 2 (2008),~~ September 2013, including Errata 1 through 5 (April 2014 through September 2018), Addendum 1 (2014), and Addendum 2 (2016), (API Std 1104)	§§1305.A; 1307.A; 1309.C; 1321.C; Item II, 5103.
B.10. – C.1. …	
2. ASME/ANSI B16.5 - 2003, "Pipe Flanges and Flanged Fittings," October 2004, (ASME/ANSI B16.5).	§§ 1107.A; ~~1509~~; 2707.F
C.3. – C.4. …	
5. ~~ASME/ANSI B31.8-2007, "Gas Transmission and Distribution Piping Systems," November 30, 2007, (ASME/ANSI B31.8)~~ ASME B31.8-2018, Gas Transmission and Distribution Piping Systems, Issued November 20, 2018, (ASME B31.8); IBR approved for §§ 192.112(b); 192.619(a).	§§ 912, 2719.A
6. ASME/ANSI B31.8S-2004, "Supplement to B31.8 on Managing System Integrity of Gas Pipelines," approved January 14, 2005, (ASME/ANSI B31.8S	§§ ~~513.D;~~ 2914.C ~~& D~~; ~~3303 note to potential impact radius; 3307; 3311.A, A.9 & A.11 thru A.13; 3313.A thru C; 3317.A thru E; 3321.A; 3323.B; 3325.B; 3327.B & C; 3329.B~~; 3333.~~C &~~ D~~; 3335.A &B; 3337.C; 3339.A; 3345.A~~
7. ~~Reserved~~—ASME B31.8S-2018, Managing System Integrity of Gas Pipelines, Issued November 28, 2018, (ASME B31.8S)	§§ 513.D; 2914.C; 3303 note to potential impact radius; 3307.A - B; 3311.A, A.9 and A.11 - A.13; 3313.A - C; 3317.A - E; 3321.A; 3323.B; 3325.B; 3333.C; 3335.B; 3337.C; 3339.A; 3345.A
8. ~~ASME Boiler & Pressure Vessel Code, Section VIII, Division 1 "Rules for Construction of Pressure Vessels," 2007 edition, July 1, 2007, (ASME BPVC, Section VIII, Division 1).~~ ASME B36.10M-2018, Welded and Seamless Wrought Steel Pipe, Issued October 12, 2018, (ASME B36.10M)	§§1113.A., B & D; 1125.B
C.9. – D.2. …	
E. ASTM International (formerly American Society for Testing and Materials), 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428, phone: (610) 832-9585;email: *service@astm.org*;, Web site: http://astm.org	
1. ASTM A53/A53M-2~~1~~0, "Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless," approved ~~October 1, 2010,~~ July 1, 2020, (ASTM A53/A53M)	§§913; 5103 Item I
2. ASTM A106/A106M-1~~09~~A, "Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service," approved ~~October 1, 2010,~~ November 1, 2019, (ASTM A106/A106M)	§§913; 5103 Item I
3. ASTM A333/A333M-1~~1~~8, "Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service," approved ~~April 1, 2011,~~ November 1, 2018, (ASTM A333/A333M)	§§913; 5103 Item I
4. …	
5. ~~ASTM A381-96 (reapproved 2005), "Standard Specification for Metal-Arc Welded Steel Pipe for Use with High-Pressure Transmission Systems," approved October 1, 2005, (ASTM A381)~~ ASTM A381/A381M-18, Standard Specification for Metal-Arc-Welded Carbon or High-Strength Low-Alloy Steel Pipe for Use with High-Pressure Transmission Systems, approved November 1, 2018, (ASTM A381)	§§ 913; 5103 Item I
6. …	
7. ASTM A671/A671M-10, "Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures," approved March 1, 2020 ~~April 1, 2010,~~ (ASTM A671/A671M)	§§913; 5103 Item I
8. …	
9. ASTM A691/A691M-~~0~~19, "Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures," approved ~~October 1, 2009,~~ November 1, 2019, (ASTM A691/A691M)	§§ 913; 5103 Item I
E.10. – G. …	
1. ~~MSS SP-44-2010, Standard Practice, "Steel Pipeline Flanges," 2010 edition, (including Errata (May 20, 2011)),~~ (MSS SP-44). ANSI/MSS SP-44-2019, Steel Pipeline Flanges, published April 2020, (MSS SP-44)	§ 1107.A
G.2. – I.1. …	
2. ~~NFPA-58 (2004), "Liquefied Petroleum Gas Code (LP-Gas Code)," (NFPA-58).~~ NFPA 58, Liquefied Petroleum Gas Code, 2020 edition, effective August 25, 2019, (NFPA 58)	§§ 511.A; 511.B; 511.C
3. ~~NFPA-59 (2004), "Utility LP-Gas Plant Code," (NFPA-59).~~ NFPA 59, Utility LP-Gas Plant Code, 2018 edition, effective September 6, 2017, (NFPA 59)	§§ 511.A; 511.B; 511.C

Source and Name of Referenced Material	Approved for Title 43 Reference
4. ~~NFPA 70 (2011), "National Electrical Code," 2011 edition, issued August 5, 2010, (NFPA 70).~~ NFPA 70, National Electrical Code (NEC), 2017 edition, effective August 24, 2016, (NFPA 70); IBR approved for §§ 192.163(e); 192.189(c).	§§ 1123.E; 1149.C
J. – K.2. …	

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 30:1226 (June 2004), amended LR 31:680 (March 2005), LR 33:474 (March 2007), LR 35:2801 (December 2009), LR 38:113 (January 2012), LR 44:1033 (June 2018), LR 45:68 (January 2019), LR 46:1578 (November 2020), LR 47:1141 (August 2021), LR:

§509. What Requirements Apply to Gathering Lines? [49 CFR 192.9]

A. …

B. Offshore Lines. An operator of an offshore gathering line must comply with requirements of this part applicable to transmission lines, except the requirements in §§513.D, 1110, 1515.E, 1719.D - G, 2113.F – I, 2115.D – F, ~~2117.D and F~~, 2125.C, ~~2130~~, 2137.C, 2145, 2306, 2707, 2713.C, 2719.E, 2724, 2910, 2912, 2914 and Chapter 33 of this Part. Further, operators of offshore gathering lines are exempt from the requirements of §§2717.B - D and 2735. Lastly, operators of offshore gathering lines are exempt from the requirements of §2715 (but an operator of an offshore gathering line must comply with the requirements LAC 43.XIII.2715, effective as of October 4, 2022). [49 CFR 192.9(b)].

C. Type A Lines. An operator of a Type A regulated onshore gathering line must comply with the requirements of this part applicable to transmission lines, except the requirements in §§513.D, 1110, 1515.E, 1719.D - G, 2113.F - I, 2117.D and F, 2125.C, ~~2130~~, 2137.C, 2145, 2306, 2707, 2713.C, 2719.E, 2724, 2910, 2912, 2914 and in Chapter 33 of this Part. However, operators of Type A regulated onshore gathering lines in a Class 2 location may demonstrate compliance with Chapter 31 by describing the processes it uses to determine the qualification of persons performing operations and maintenance tasks. Further, operators of Type A regulated onshore gathering lines are exempt from the requirements of §§1139.E - G, 2710, 2717.B - D, 2734, 2735, 2736, and 29~~7~~45.C - F. Lastly, operators of Type A regulated onshore gathering lines are exempt from the requirements of §2715~~7~~.B (but an operator of a Type A regulated onshore gathering line must comply with the requirements of LAC 43.XIII.2717.B effective as of October 4, 2022). [49 CFR 192.9(c)].

D. – D.1. …

2. if the pipeline is metallic, control corrosion according to requirements of Chapter 21 of this Part applicable to transmission lines except the requirements in §§2113.F - I, 2117.D and F, 2125.C, ~~2132,~~ 2137.C and 2145; [49 CFR 192.9(d)(2)];

D.3. - E.1.a. …

b. if the pipeline is metallic, control corrosion according to requirements of Chapter 21 of this Subpart applicable to transmission lines except for §§2113.F - I, 2117.D and F, 2125.C, ~~2132,~~ 2137.C, and 2145; [192.9(e)(1)(ii)]

E.1.c. – H.3. …

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:220 (April 1983), amended LR 10:511 (July 1984), LR 20:443 (April 1994), LR 21:821 (August 1995), LR 24:1307 (July 1998), LR 30:1227 (June 2004), LR 31:681 (March 2005), LR 33:477 (March 2007), LR 44:1035 (June 2018), LR 46:1579 (November 2020), LR 49:1101 (June 2023), LR 50:1248 (September 2024), LR:

§511. Petroleum Gas Systems [49 CFR 192.11]

A. Each plant that supplies petroleum gas by pipeline to a natural gas distribution system must meet the requirements of this Subpart and NFPA 58 and NFPA 59 (both incorporated by reference, see §507), based on the scope and applicability statements in those standards. [49 CFR 192.11(a)]

B. Each pipeline system subject to this Subpart that transports only petroleum gas or petroleum gas/air mixtures must meet the requirements of this Subpart and of NFPA 58 and NFPA59 (both incorporated by reference, see §507), based on the scope and applicability statements in those standards. [49 CFR 192.11(b)]

C. In the event of a conflict between this Subpart and NFPA 58 ~~and~~or NFPA 59, NFPA 58 ~~and~~or NFPA 59 shall prevail if applicable based on the scope and applicability statements in those standards. [49 CFR 192.11(c)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 9:220 (April 1983), amended LR 10:511 (July 1984), LR 20:443 (April 1994), LR 24:1307 (July 1998), LR 30:1227 (June 2004), LR 44:1035 (June 2018).

§513. What General Requirements Apply to Pipelines Regulated Under this Subpart? [49 CFR 192.13]

A. – C. …

D. Each operator of an onshore gas transmission pipeline must evaluate and mitigate, as necessary, significant changes that pose a risk to safety or the environment through a management of change process. Each operator of an onshore gas transmission pipeline must develop and follow a management of change process, as outlined in ASME~~/ANSI~~ B31.8S, section 11 (incorporated by reference, *see* § 507), that addresses technical, design, physical, environmental, procedural, operational, maintenance, and organizational changes to the pipeline or processes, whether permanent or temporary. A management of change process must include the following: reason for change, authority for approving changes, analysis of implications, acquisition of required work permits, documentation, communication of change to affected parties, time limitations, and qualification of staff. For pipeline segments other than those covered in Chapter 33 of this Part, this management of change process must be implemented by February 26, 2024. The requirements of this Paragraph D do not apply to gas gathering pipelines. Operators may request an extension of up to 1 year by submitting a notification to PHMSA at least 90 days before February 26, 2024, in accordance with § 518. The notification must include a reasonable and technically justified basis, an up-to-date plan for completing all actions required by this section, the reason for the requested extension, current safety or mitigation status of the pipeline segment, the proposed completion date, and any needed

temporary safety measures to mitigate the impact on safety. [49 CFR 192.13(d)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:220 (April 1983), amended LR 10:511 (July 1984), LR 30:1227 (June 2004), LR 33:477 (March 2007).

Chapter 9. Pipe Design [49 CFR Part 192 Subpart C]

§912. Additional Design Requirements for Steel Pipe Using Alternative Maximum Allowable Operating Pressure. [49 CFR 192.112]

A. – A.1.b.i.a. …

b. ~~American Society of Mechanical Engineers (~~ASME~~)~~ B31.8 (incorporated by reference, see §507); and [49 CFR 192.112(b)(1)(ii)]

A.1.b.i.c. – A.1.c.i. …

ii. A mill inspection program or internal quality management program must include paragraph (a) of this sections and either paragraphs (b) or (c) of this section: [49 CFR 192.112(c)(2)]

A.1.c.ii.a. – A.1.c.ii.c. …

i. all steelmaking and casting facilities, [49 CFR 192.112(c)(2)(iii)(~~a~~A)]

ii. quality control plans and manufacturing procedure specifications, [49 CFR 192.112(c)(2)(iii)(~~b~~B)]

iii. equipment maintenance and records of conformance, [49 CFR 192.112(c)(2)(iii)(~~c~~C)]

iv. applicable casting superheat and speeds, and [49 CFR 192.112(c)(2)(iii)(~~d~~D)]

v. centerline segregation monitoring records to ensure mitigation of centerline segregation during the continuous casting process. [49 CFR 192.112(c)(2)(iii)(~~e~~E)]

A.1.d. – A.1.h.iii. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 35:2802 (December 2009), amended LR 38:115 (January 2012), LR 44:1036 (June 2018), LR:

§913. Longitudinal Joint Factor (E) for Steel Pipe [49 CFR 192.113]

A. The longitudinal joint factor to be used in the design formula in §905 is determined in accordance with the following table.

Specification	Pipe Class	Longitudinal Joint Factor (E)
ASTM A53/A53M (incorporated by reference, see § 507)	Seamless	1.00
	Electric resistance welded	1.00
	Furnace butt welded	.60
ASTM A106/A106M (incorporated by reference, see § 507)	Seamless	1.00
ASTM A333/A333M (incorporated by reference, see § 507)	Seamless	1.00
	Electric resistance welded	1.00
ASTM A381 (incorporated by reference, see § 507)	Double submerged arc welded	1.00
ASTM A671/A671M (incorporated by reference, see § 507)	Electric fusion welded	1.00
ASTM A672 (incorporated by reference, see § 507)	Electric fusion welded	1.00
ASTM A691 (incorporated by reference, see § 507)	Electric fusion welded	1.00
API Spec 5L (incorporated by reference, see § 507)	Seamless	1.00
	Electric resistance welded	1.00
	Electric flash welded	1.00
	Submerged arc welded	1.00
	Furnace butt welded	.60
Other	Pipe over 4 inches (102 millimeters)	.80
Other	Pipe 4 inches (102 millimeters) or less	.60

B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:222 (April 1983), amended LR 10:514 (July 1984), LR 18:855 (August 1992), LR 20:444 (April 1994), LR 27:1538 (September 2001), LR 30:1231 (June 2004), LR 31:681 (March 2005), LR 44:1036 (June 2018), LR:

§921. Design of Plastic Pipe [49 CFR 192.121]

A. – C.2.d. …

Table 1 to Subparagraph C.2.d PE Pipe: Minimum Wall Thickness and SDR Values		
Pipe Size (inches)	**Minimum Wall Thickness**	**Corresponding SDR (values)**
1/2" CTS	0.090	7
1/2" IPS	0.090	9.3
3/4" CTS	0.090	9.7
3/4" IPS	0.095	11
1" CTS	.099	11
1" IPS	0.119	11
1 ¼" CTS	0.121	11
1 1/4" IPS	0.151	11
1 1/2" IPS	0.173	11
2"	0.216	11
3"	0.259	13.5
4"	0.265	17
6"	0.315	21
8"	0.411	21
10"	0.512	21
12"	0.607	21
16	.762	21
18	.857	21
20	.952	21
22	1.048	21
24	1.143	21

D. – F.2. (Including table) …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:222 (April 1983), amended LR 10:515 (July 1984), LR 24:1308 (July 1998), LR 27:1538 (September 2001), LR 30:1231 (June 2004), LR 31:682 (March 2005), LR 33:478 (March 2007), LR 35:2804 (December 2009), LR 38:115 (January 2012), repromulgated LR 38:828 (March 2012), amended LR 44:1037 (June 2018), LR 46:1582

(November 2020), LR. 47:1141 (August 2021), LR 49:1103 (June 2023), LR:

Chapter 11. Design of Pipeline Components [49 CFR Part 192 Subpart D]

§1105. Valves [49 CFR 192.145]

A. Except for cast iron and plastic valves, each valve must meet the minimum requirements of ~~ANSI/~~API Spec 6D (incorporated by reference, see §507), or to a national or international standard that provides an equivalent performance level. A valve may not be used under operating conditions that exceed the applicable pressure-temperature ratings contained in those requirements [49 CFR 192.145(a)].

B. – F. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:223 (April 1983), amended LR 10:515 (July 1984), LR 18:855 (August 1992), LR 27:1539 (September 2001), LR 30:1232 (June 2004), LR 31:682 (March 2005), LR 33:479 (March 2007), LR 38:115 (January 2012), LR 44:1037 (June 2018), LR 46:1584 (November 2020), LR:

§1107. Flanges and Flange Accessories [49 CFR 192.147]

A. Each flange or flange accessory (other than cast iron) must meet the minimum requirements of ASME/ANSI B16.5(incorporated by reference, see §507) and MSS SP 44. (incorporated by reference, see §507), or the equivalent. [49 CFR 192.147(a)]

B. – C. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:223 (April 1983), amended LR 10:515 (July 1984), LR 18:856 (August 1992), LR 20:444 (April 1994), LR 30:1233 (June 2004), LR 44:1037 (June 2018).

§1113. Components Fabricated by Welding [49 CFR 192.153]

A. – C. …,

D. Except for flat closures designed in accordance with the ASME BPVC ~~(~~Section VIII, Division 1 or 2~~)~~, (both incorporated by reference, see §507), flat closures and fish tails may not be used on pipe that either operates at 100 psi (689 kPa) gage, or more, or is more than 3 inches (76 millimeters) nominal diameter. [49 CFR 192.153(d)]

E. – E.6.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:223 (April 1983), amended LR 10:516 (July 1984), LR 20:444 (April 1994), LR 27:1539 (September 2001), LR 30:1234 (June 2004), LR 44:1037 (June 2018), LR 47:1142 (August 2021) repromulgated LR 47:1331 (September 2021), LR 49:1103 (June 2023), LR:

§1123. Compressor Stations: Design and Construction [49 CFR 192.163]

A. – D. …

E. Electrical Facilities. Electrical equipment and wiring installed in compressor stations must conform to the NFPA-70(incorporated by reference, see §507), so far as that code is applicable. [49 CFR 192.163(e)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:224 (April 1983), amended LR 10:516 (July 1984), LR 20:445 (April 1994), LR 27:1539 (September 2001), LR 30:1235 (June 2004), LR 44:1037 (June 2018), LR:

Chapter 13. Welding of Steel in Pipelines [49 CFR Part 192 Subpart E]

§1305. Welding Procedures [49 CFR 192.225]

A. Welding must be performed by a qualified welder or welding operator in accordance with welding procedures qualified under section 5(except for Note 2 in section 5.4.2.2), section 12, or Appendix A or Appendix B of API Std 1104 (incorporated by reference, see §507) or Section IX of the ASME Boiler and Pressure Vessel Code (ASME BPVC) (incorporated by reference, see §507) to produce welds meeting the requirements of this Chapter. The quality of the test welds used to qualify welding procedures shall be determined by destructive testing in accordance with the applicable welding standard(s) [49 CFR 192.225(a)].

B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:228 (April 1983), amended LR 10:521 (July 1984), LR 30:1241 (June 2004), LR 31:683 (March 2005), LR 33:479 (March 2007), LR 44:1038 (June 2018), LR:

Chapter 15. Joining of Materials Other Than by Welding [49 CFR Part 192 Subpart F]

§1509. Copper Pipe [49 CFR 192.279]

A. Copper pipe may not be threaded except that copper pipe used for joining screw fittings or valves may be threaded if the wall thickness is equivalent to the comparable size of Schedule 40 or heavier wall pipe listed in Table C1 of ASME/ANSI B16.5(incorporated by reference, see §507). [49 CFR 192.279]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:231 (April 1983), amended LR 10:523 (July 1984), LR 18:856 (August 1992), LR 20:445 (April 1994), LR 30:1243 (June 2004).

§1511. Plastic Pipe [49 CFR 192.281]

A. – B.1. …

2. The solvent cement must conform to ASTM D 2~~620~~564-12 for PVC (incorporated by reference, see §507) [49 CFR 192.281(b)(2)]

B.3. – D.4. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:231 (April 1983), amended LR 10:523 (July 1984), LR 20:445 (April 1994), LR 24:1309 (July 1998), LR 30:1243 (June 2004), LR 38:116 (January 2012), LR 44:1039 (June 2018), LR 46:1585 (November 2020), LR. 47:1144 (August 2021), LR 49:1104 (June 2023), LR:

Chapter 17. General Construction Requirements for Transmission Lines and Mains [49 CFR Part 192 Subpart G]

§1719. Installation of Pipe in a Ditch [49 CFR 192.319]

A. – B.2. …

C. All offshore pipe in water at least 12 feet (3.7 meters) deep but not more than 200 feet (61 meters) deep, as measured from the mean low tide, except pipe in the Gulf of ~~Mexico~~America and its inlets under 15 feet (4.6 meters) of water, must be installed so that the top of the pipe is below the natural bottom unless the pipe is supported by stanchions, held in place by anchors or heavy concrete coating, or protected by an equivalent means. Pipe in the Gulf of Mexico and its inlets under 15 feet (4.6 meters) of water must be installed so that the top of the pipe is 36 inches (914 millimeters) below the seabed for normal excavation or 18 inches (457 millimeters) for rock excavation. [49 CFR 192.319(c)]

D. – G. …

. [49 CFR 192.319(g)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:233 (April 1983), amended LR 10:525 (July 1984), LR 20:446 (April 1994), LR 24:1310 (July 1998), LR 27:1542 (September 2001), LR 30:1246 (June 2004), LR 50:1250 (September 2024), LR:

§1727. Cover [49 CFR 192.327]

A. – E. …

F. All pipe installed offshore, except in the Gulf of ~~Mexico~~America and its inlets, under water not more than 200 feet (60 meters) deep, as measured from the mean low tide, must be installed as follows. [49 CFR 192.327(f)]

F.1. – F.2. …

G. All pipelines installed under water in the Gulf of ~~Mexico~~America and its inlets, as defined in §503, must be installed in accordance with §2712.C.3. [49 CFR 192.327(g)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:233 (April 1983), amended LR 10:525 (July 1984), LR 20:446 (April 1994), LR 24:1310 (July 1998), LR 27:1542 (September 2001), LR 30:1247 (June 2004), LR 31:684 (March 2005), LR 35:2805 (December 2009), LR:

Chapter 21. Requirements for Corrosion Control [49 CFR Part 192 Subpart I]

§2117. External Corrosion Control: Monitoring [49 CFR 192.465]

A. – C. …

D. Each operator must promptly correct any deficiencies indicated by the inspection and testing required by Subsections A - C of this Section. Remedial action must be completed promptly, but no later than the earliest of the following: prior to the next inspection or test interval or within 90 days from the date the deficiency was discovered. The Commissioner may approve an alternative time period depending on the nature of the deficiency. [49 CFR 192.465(d)]

E. – F.2. …

[49 CFR 192.465(f)(2)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:236 (April 1983), amended LR 10:528 (July 1984), LR 27:1545 (September 2001), LR 30:1253 (June 2004), LR 38:116 (January 2012), LR 47:1144 (August 2021), LR 50:1250 (September 2024), LR:

§2130. ~~Internal Corrosion Control: Onshore Transmission Monitoring and Mitigation [49 CFR 192.478]~~ Reserved

~~A. Each operator of an onshore gas transmission pipeline with corrosive constituents in the gas being transported must develop and implement a monitoring and mitigation program to mitigate the corrosive effects, as necessary. Potentially corrosive constituents include, but are not limited to: carbon dioxide, hydrogen sulfide, sulfur, microbes, and liquid water, either by itself or in combination. An operator must evaluate the partial pressure of each corrosive constituent, where applicable, by itself or in combination, to evaluate the effect of the corrosive constituents on the internal corrosion of the pipe and implement mitigation measures as necessary. [49 CFR 192.478(a)]~~

~~B. The monitoring and mitigation program described in Subsection A of this Section must include: [49 CFR 192.478(b)]~~

~~1. the use of gas quality monitoring methods at points where gas with potentially corrosive contaminants enters the pipeline to determine the gas stream constituents. [49 CFR 192.478(b)(1)]~~

~~2. technology to mitigate the potentially corrosive gas stream constituents. Such technologies may include product sampling, inhibitor injections, in-line cleaning pigging, separators, or other technology that mitigates potentially corrosive effects. [49 CFR 192.478(b)(2)]~~

~~3. an evaluation at least once each calendar year, at intervals not to exceed 15 months, to ensure that potentially corrosive gas stream constituents are effectively monitored and mitigated. [49 CFR 192.478(b)(3)]~~

~~C. An operator must review its monitoring and mitigation program at least once each calendar year, at intervals not to exceed 15 months, and based on the results of its monitoring and mitigation program, implement adjustments, as necessary. [49 CFR 192.478(c)]~~

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 50:1251 (September 2024).

Chapter 27. Operations [49 CFR Part 192 Subpart L]

§2712. Underwater Inspection and Reburial of Pipelines in the Gulf of Mexico and Its Inlets [49 CFR 192.612]

A. Each operator shall prepare and follow a procedure to identify its pipelines in the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet (4.6 meters) deep as measured from mean low water that are at risk of being an exposed underwater pipeline or a hazard to navigation. The procedures must be in effect August 10, 2005. [49 CFR 192.612(a)]

B. Each operator shall conduct appropriate periodic underwater inspections of its pipelines in the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet (4.6 meters) deep as measured from mean low water based on the identified risk. [49 CFR 192.612(b)]

C. – C.3.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 18:858 (August 1992), LR 27:1546 (September 2001), LR 30:1262 (June 2004), LR 31:684 (March 2005), LR:

§2717. Investigation of Failures [49 CFR 192.617]

A. … B. Post-failure and incident lessons learned. Each operator of a transmission or distribution pipeline must develop, implement, and incorporate lessons learned from a post-failure or incident review into its written procedures, including personnel training and qualification programs, and design, construction, testing, maintenance, operations, and emergency procedure manuals and specifications. [49 CFR 192.617(b)]

C. Analysis of rupture and valve shut-offs. If an incident on an onshore gas transmission pipeline ~~or a Type A gathering pipeline~~ involves the closure of a rupture-mitigation valve (RMV), as defined in §503, or the closure of alternative equivalent technology, the operator of the pipeline must also conduct a post-incident analysis of all of the factors that may have impacted the release volume and the consequences of the incident and identify and implement operations and maintenance measures to prevent or minimize the consequences of a future incident. The requirements of this Subsection B are not applicable to gas distribution pipelines or ~~Types B and C~~ gas gathering pipelines. The analysis must include all relevant factors impacting the release volume and consequences, including, but not limited to, the following: [49 CFR 192.617(c)]

C.1. – C.5. …

D. Rupture Post-Failure and Incident Summary. If a failure or incident on an onshore gas transmission pipeline or a Type A gathering pipeline involves the identification of a rupture following a notification of potential rupture, or the closure of an RMV (as those terms are defined in §503), or the closure of an alternative equivalent technology, the operator of the pipeline must complete a summary of the post-failure or incident review required by Subsection C of this section within 90 days of the incident, and while the investigation is pending, conduct quarterly status reviews until the investigation is complete and a final post-incident summary is prepared. The final post-failure or incident summary, and all other reviews and analyses produced under the requirements of this section, must be reviewed, dated, and signed by the operator's appropriate senior executive officer. The final post-failure or incident summary, all investigation and analysis documents used to prepare it, and records of lessons learned must be kept for the useful life of the pipeline. The requirements of this Subsection D are not applicable to distribution pipelines or ~~Types B and C~~ gas gathering pipelines. [49 CFR 192.617(d)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:242 (April 1983), amended LR 10:534 (July 1984), LR 30:1264 (June 2004), LR 49:1106 (June 2023), LR:

Chapter 29. Maintenance [49 CFR Part 192 Subpart M]

§2914. Transmission lines: Repair criteria for onshore transmission pipelines. [49 CFR 192.714]

A. – B. …

C. Schedule for evaluation and remediation. An operator must remediate conditions according to a schedule that prioritizes the conditions for evaluation and remediation. Unless Subsection D of this Section provides a special requirement for remediating certain conditions, an operator must calculate the predicted failure pressure of anomalies or defects and follow the schedule in ASME~~/ANSI~~ B31.8S (incorporated by reference, *see* § 507), section 7, Figure ~~4~~ 7.2.1-1. If an operator cannot meet the schedule for any condition, the operator must document the reasons why it cannot meet the schedule and how the changed schedule will not jeopardize public safety. Each condition that meets any of the repair criteria in Subsection D of this Section in an onshore steel transmission pipeline must be— [49 CFR 192.714(c)]

C.1. – D. …

1. Immediate repair conditions. An operator's evaluation and remediation schedule for immediate repair conditions must follow section 7 of ASME~~/ANSI~~ B31.8S-2004 (incorporated by reference, *see* § 507). An operator must repair the following conditions immediately upon discovery: [49 CFR 192.714(d)(1)]

D.1.a. – D.1.c. …

d. Metal loss preferentially affecting a detected longitudinal seam, if that seam was formed by direct current, low-frequency ~~or high-frequency electric resistance welding~~, electric flash welding, or has a longitudinal joint factor less than 1.0, and the predicted failure pressure determined in accordance with § 2912.D is less than 1.25 times the MAOP. [49 CFR 192.714(d)(1)(iv)]

D.1.e. …

i. Crack depth plus any metal loss is greater than 50 percent of pipe wall thickness; or [49 CFR 192.714(d)(1)(v)(A)]

D.1.e.ii. – H. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 50:1254 (September 2024), LR:

§2927. Abandonment or Deactivation of Facilities [49 CFR 192.727]

A. – G. …

1. The preferred method to submit data on pipeline facilities abandoned after October 10, 2000 is to the National Pipeline Mapping System (NPMS) in accordance with the NPMS "Standards for Pipeline and Liquefied Natural Gas Operator Submissions." To obtain a copy of the NPMS Standards, please refer to the NPMS homepage at http://www.npms.phmsa.dot.gov ~~or contact the NPMS National Repository at 703-317-3073~~. A digital data format is preferred, but hard copy submissions are acceptable if they comply with the NPMS S~~s~~tandards. In addition to the NPMS-required attributes, operators must submit the date of abandonment, diameter, method of abandonment, and certification that, to the best of the operator's knowledge, all of the reasonably available information requested was provided and, to the best of the operator's knowledge, the abandonment was completed in accordance with applicable laws. Refer to the NPMS Standards for details in preparing your data for submission. The NPMS Standards also include details of how to submit data. Alternatively, operators may submit reports by mail, fax or e-mail to the Office of Pipeline Safety, Pipeline and Hazardous Materials Safety

Administration, U.S. Department of Transportation, Information Resources Manager, PHP-10, 1200 New Jersey Avenue, SE., Washington, DC 20590-0001; fax (202) 366-4566; e-mail: InformationResourcesManager@PHMSA.dot.gov. The information in the report must contain all reasonably available information related to the facility, including information in the possession of a third party. The report must contain the location, size, date, method of abandonment, and a certification that the facility has been abandoned in accordance with all applicable laws.

G.2. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, LR 9:245 (April 1983), amended LR 10:538 (July 1984), LR 21:824 (August 1995), LR 27:1549 (September 2001), LR 30:1269 (June 2004), LR 33:481 (March 2007), LR 35:2811 (December 2009).

Chapter 33. Gas Transmission Pipeline Integrity Management [49 CFR Part 192 Subpart O]

§3303. What Definitions Apply to this Chapter? [49 CFR 192.903]

A. The following definitions apply to this Chapter.

* * *

Potential Impact Radius (PIR)—the radius of a circle within which the potential failure of a pipeline could have significant impact on people or property. PIR is determined by the formula r = 0.69 * [square root of ($p*d^2$)], where 'r' is the radius of a circular area in feet surrounding the point of failure, 'p' is the maximum allowable operating pressure (MAOP) in the pipeline segment in pounds per square inch and 'd' is the nominal diameter of the pipeline in inches.

NOTE: 0.69 is the factor for natural gas. This number will vary for other gases depending upon their heat of combustion. An operator transporting gas other than natural gas must use Section 3.2 of ASME/~~ANSI~~ B31.8S incorporated by reference, see §507) to calculate the impact radius formula.

* * *

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1273 (June 2004), amended LR 31:685 (March 2005), LR 33:483 (March 2007), LR 35:2811 (December 2009), LR 44:1042 (June 2018), LR:

§3307. What Must an Operator Do to Implement this Chapter? [49 CFR 192.907]

A. …

B. Implementation Standards. In carrying out this Chapter, an operator must follow the requirements of this Chapter and of ASME/~~ANSI~~ B31.8S (incorporated by reference, see §507) and its appendices, where specified. An operator may follow an equivalent standard or practice only when the operator demonstrates the alternative standard or practice provides an equivalent level of safety to the public and property. In the event of a conflict between this Chapter and ASME/ANSI B31.8S, the requirements in this Chapter control [49 CFR 192.907(b)].

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1274 (June 2004), LR 33:483 (March 2007). LR:

§3311. What are the Elements of an Integrity Management Program? [49 CFR 192.911]

A. – A.8. …

9. a performance plan as outlined in ASME/~~ANSI~~ B31.8S, Section 9 that includes performance measures meeting the requirements of §3345; [49 CFR 192.911(i)]

A.10. – A.12. …

13. a communication plan that includes the elements of ASME/~~ANSI~~ B31.8S, ~~Section 10~~ Paragraph 850.9(incorporated by reference, see §507), and that includes procedures for addressing safety concerns raised by: [49 CFR 192.911(m)]

a. OPS; and [49 CFR 192.911(m)(1)]

b. a S~~s~~tate or local pipeline safety authority when a covered segment is located in a S~~s~~tate where OPS has an interstate agent agreement; [49 CFR 192.911(m)(2)]

A.13.c. – A.16. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1275 (June 2004), amended LR 31:686 (March 2005), LR 46:1598 (November 2020), LR:

§3311. What are the Elements of an Integrity Management Program? [49 CFR 192.911]

A. – A.11. …

12. a quality assurance process as outlined in ASME/~~ANSI~~ B31.8S, Section 12; [49 CFR 192.911(l)]

A.13. – A.16. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1275 (June 2004), amended LR 31:686 (March 2005), LR 46:1598 (November 2020),), LR 50:1256 (September 2024).

§3317. How Does an Operator Identify Potential Threats to Pipeline Integrity and Use the Threat Identification in Its Integrity Program? [49 CFR 192.917]

A. Threat Identification. An operator must identify and evaluate all potential threats to each covered pipeline segment. Potential threats that an operator must consider include, but are not limited to, the threats listed in ASME/~~ANSI~~ B31.8S (incorporated by reference, see §507), Section 2, which are grouped under the following four threat categories [49 CFR 192.917(a)]:

A.1. – A.4. …

B. Data Gathering and Integration. To identify and evaluate the potential threats to a covered pipeline segment, an operator must gather and integrate existing data and information on the entire pipeline that could be relevant to the covered segment. In performing this data gathering and integration, an operator must follow the requirements in ASME/~~ANSI~~ B31.8S, Section 4. Operators must begin to integrate all pertinent data elements specified in this section starting on May 24, 2023, with all available attributes integrated by February 26, 2024. An operator may request an extension of up to 1 year by submitting a notification to PHMSA at least 90 days before February 26, 2024, in accordance with § 518. The notification must include a reasonable and technically justified basis, an up-to-date plan

for completing all actions required by this Subsection B, the reason for the requested extension, current safety or mitigation status of the pipeline segment, the proposed completion date, and any needed temporary safety measures to mitigate the impact on safety. An operator must gather and evaluate the set of data listed in Paragraph B.1 of this Section. The evaluation must analyze both the covered segment and similar non-covered segments, and it must: [49 CFR 192.917(b)].

B.1. – B.4. …

C. Risk Assessment. An operator must conduct a risk assessment that follows ASME/~~ANSI~~ B31.8S, Section 5, and that analyzes the identified threats and potential consequences of an incident for each covered segment. An operator must ensure the validity of the methods used to conduct the risk assessment considering the incident, leak, and failure history of the pipeline segments and other historical information. Such a validation must ensure the risk assessment methods produce a risk characterization that is consistent with the operator's and industry experience, including evaluations of the cause of past incidents, as determined by root cause analysis or other equivalent means, and include sensitivity analysis of the factors used to characterize both the likelihood of loss of pipeline integrity and consequences of the postulated loss of pipeline integrity. An operator must use the risk assessment to determine additional preventive and mitigative measures needed for each covered segment in accordance with § 3335 and periodically evaluate the integrity of each covered pipeline segment in accordance with § 3337. Beginning February 26, 2024, the risk assessment must: [49 CFR 192.917(c)]

C.1. – E. …

1. Third Party Damage. An operator must utilize the data integration required in Subsection B of this Section and ASME/~~ANSI~~ B31.8S, Appendix A~~7~~ 8 to determine the susceptibility of each covered segment to the threat of third party damage. If an operator identifies the threat of third party damage, the operator must implement comprehensive additional preventive measures in accordance with §3335 and monitor the effectiveness of the preventive measures. If, in conducting a baseline assessment under §3321, or a reassessment under §3337, an operator uses an internal inspection tool or external corrosion direct assessment, the operator must integrate data from these assessments with data related to any encroachment or foreign line crossing on the covered segment, to define where potential indications of third party damage may exist in the covered segment. An operator must also have procedures in its integrity management program addressing actions it will take to respond to findings from this data integration. [49 CFR 192.917(e)(1)]

E.2. – E.3.c. …

4. Electric Resistance Welded (ERW) Pipe. If a covered pipeline segment contains low frequency ERW pipe, lap welded pipe, pipe with longitudinal joint factor less than 1.0 as defined in §913, or other pipe that satisfies the conditions specified in ASME/~~ANSI~~ B31.8S, Appendices A~~4~~5.3 and A~~4~~5.4, and any covered or non-covered segment in the pipeline system with such pipe has experienced seam failure (including seam cracking and selective seam weld corrosion), or operating pressure on the covered segment has increased over the maximum operating pressure experienced during the preceding five years (including abnormal operation as defined in §2705.C, or MAOP has been increased, an operator must select an assessment technology or technologies with a proven application capable of assessing seam integrity and seam corrosion anomalies. The operator must prioritize the covered segment as a high-risk segment for the baseline assessment or a subsequent reassessment. Pipe with seam cracks must be evaluated using fracture mechanics modeling for failure stress pressures and cyclic fatigue crack growth analysis to estimate the remaining life of the pipe in accordance with § 2912. [49 CFR 192.917(e)(4)]

E.5. – E.6. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1276 (June 2004), amended LR 31:686 (March 2005), LR 33:483 (March 2007), LR 46:1598 (November 2020).

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HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1276 (June 2004), amended LR 31:686 (March 2005), LR 33:483 (March 2007), LR 46:1598 (November 2020).

§3321. How Is the Baseline Assessment to be Conducted [49 CFR 192.921]

A. – A.1. …

2. pressure test conducted in accordance with Chapter 23 of this Subpart. The use of Chapter 23 pressure testing is appropriate for threats such as internal corrosion; external corrosion and other environmentally assisted corrosion mechanisms; manufacturing and related defects threats, including defective pipe and pipe seams; stress corrosion cracking; selective seam weld corrosion; dents; and other forms of mechanical damage. An operator must use the test pressures specified in Table ~~3~~5.6.1-1 of section 5 of ASME/~~ANSI~~ B31.8S (incorporated by reference, see §507) to justify an extended reassessment interval in accordance with § 3339. [49 CFR 192.921(a)(2)].

A.3. – I. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1277 (June 2004), amended LR 31:686 (March 2005), LR 33:484 (March 20007), LR 46:1599 (November 2020), LR:

§3323. How Is Direct Assessment Used and for What Threats? [49 CFR 192.923]

A. – B. …

1. §3325 and ASME/~~ANSI~~ B31.8S (incorporated by reference, see §507), S~~s~~ection 6.4, and NACE SP0502 (incorporated by reference, see §507) if addressing external corrosion (EC). [49 CFR 192.923(b)(1)]

2. §3327 and NACE SO0206~~ASME/ANSI B31.8S~~ (incorporated by reference, see §507), s~~ection 6.4, appendix B2,~~ if addressing internal corrosion (IC). [49 CFR 192.923(b)(2)]

3. §3329 and NACE SP0204~~ASME/ANSI B31.8S~~ (incorporated by reference, see §507~~0, appendix A3,~~ if addressing stress corrosion cracking (SCC). [49 CFR 192.923(b)(3)]

C. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1278 (June 2004), amended LR 38:121 (January 2012), LR 44:1043 (June 2018), LR 46:1599 (November 2020), LR:

§3323. How Is Direct Assessment Used and for What Threats? [49 CFR 192.923]

A. – B. …

1. §3325 and ASME~~/ANSI~~ B31.8S (incorporated by reference, see §507), section 6.4, and NACE SP0502 (incorporated by reference, see §507) if addressing external corrosion (EC). [49 CFR 192.923(b)(1)]

B.2. – C. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1278 (June 2004), amended LR 38:121 (January 2012), LR 44:1043 (June 2018), LR 46:1599 (November 2020), LR 50:1258 (September 2024), LR:

§3325. What Are the Requirements for Using External Corrosion Direct Assessment (ECDA)? [49 CFR 192.925]

A. …

B. General Requirements. An operator that uses direct assessment to assess the threat of external corrosion must follow the requirements in this Section, in ASME~~/ANSI~~ B31.8S (incorporated by reference, see §507), section 6.4, and in NACE SP0502 (incorporated by reference, see §507). An operator must develop and implement a direct assessment plan that has procedures addressing pre-assessment, indirect examination, direct examination, and post-assessment. If the ECDA detects pipeline coating damage, the operator must also integrate the data from the ECDA with other information from the data integration (§3317.B) to evaluate the covered segment for the threat of third party damage, and to address the threat as required by §3317.E.1 [49 CFR 192.925(b)].

1. Pre-assessment. In addition to the requirements in ASME~~/ANSI~~ B31.8S section 6.4 and NACE SP0502, section 3, the plan's procedures for pre-assessment must include: [49 CFR 192.925(b)(1)]

B.1.a. – B.1.b. …

2. Indirect Inspection. In addition to the requirements in ASME~~/ANSI~~ B31.8S section 6.4 and NACE SP0502, section 4, the plan's procedures for indirect inspection of the ECDA regions must include: [49 CFR 192.925(b)(2)]

B.2.a. – B,2,d. …

3. Direct Examination. In addition to the requirements in ASME~~/ANSI~~ B31.8S section 6.4 and NACE SP0502, section 5, the plan's procedures for direct examination of indications from the indirect examination must include: [49 CFR 192.925(b)(3)]

B.3.a. – B,4.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1278 (June 2004), amended LR 31:687 (March 2005), LR 33:484 (March 2007), amended by the Department of Natural Resources, Office of Conservation, LR 38:121 (January 2012), LR 44:1043 (June 2018), LR:

§3327. What Are the Requirements for Using Internal Corrosion Direct Assessment (ICDA)? [49 CFR 192.927]

A. – C.4.c. …

i. conduct excavations of, and detailed examinations at, locations downstream from where the electrolytes might have entered the pipe to investigate and accurately characterize the nature, extent, and root cause of the corrosion~~, including the monitoring and mitigation requirements of §2130~~; or [49 CFR 192.927(c)(4)(iii)(A)]

C.ii. – 5.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1279 (June 2004), amended LR 31:687 (March 2005), LR 33:484 (March 2007), LR 35:2812 (December 2009), LR 50:1258 (September 2024), LR:

§3333. What Actions Must Be Taken to Address Integrity Issues? [49 CFR 192.933]

A. – B. …

C. Schedule for Evaluation and Remediation. An operator must complete remediation of a condition according to a schedule prioritizing the conditions for evaluation and remediation. Unless a special requirement for remediating certain conditions applies, as provided in Subsection D of this Section, an operator must follow the schedule in ASME~~/ANSI~~ B31.8S (incorporated by reference, see §507), S~~s~~ection 7, Figure ~~4~~7,.2.1-1. If an operator cannot meet the schedule for any condition, the operator must explain the reasons why it cannot meet the schedule and how the changed schedule will not jeopardize public safety. [49 CFR 192.933(c)]

D. ….

1. Immediate Repair Conditions. An operator's evaluation and remediation schedule must follow ASME~~/ANSI~~ B31.8S, Section 7 in providing for immediate repair conditions. To maintain safety, an operator must temporarily reduce operating pressure in accordance with Subsection A of this Section or shut down the pipeline until the operator completes the repair of these conditions. An operator must treat the following conditions as immediate repair conditions: [49 CFR 192.933(d)(1)]

D.1.a. – D.1.c. …

d. Metal loss preferentially affecting a detected longitudinal seam, if that seam was formed by direct current, low-frequency electric resistance welding, electric flash welding, or has a longitudinal joint factor less than 1.0, and the predicted failure pressure determined in accordance with § 2912.D is less than 1.25 times the MAOP. [49 CFR 192.933(d)(1)(iv)]

e. A crack or crack-like anomaly meeting any of the following criteria:. [49 CFR 192.933(d)(1)(v)]

i. Crack depth plus any metal loss is greater than 50 percent of pipe wall thickness; or; or [49 CFR 192.933(d)(1)(v)(A)]

ii. Crack depth plus any metal loss is greater than the inspection tool's maximum measurable depth. [49 CFR 192.933(d)(1)(v)(B)]

D.2. – D.2.c. …

d. Metal loss anomalies where a calculation of the remaining strength of the pipe at the location of the anomaly shows a predicted failure pressure, determined in accordance with § 2912.B, less than 1.39 times the MAOP for Class 2

locations, and less than 1.50 times the MAOP for Class 3 and 4 locations. For metal loss anomalies in Class 1 locations with a predicted failure pressure greater than 1.1 times MAOP, an operator must follow the remediation schedule specified in ASME/~~ANSI~~ B31.8S (incorporated by reference, *see* § 507), section 7, Figure 4, in accordance with Subsection C of this Section. [49 CFR 192.933(d)(2)(iv)]

D.2.e. – D.3.c. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1281 (June 2004), amended LR 31:688 (March 2005), LR 33:485 (March 2007), LR 35:2812 (December 2009), LR 44:1044 (June 2018), LR 46:1600 (November 2020).

§3335. What Additional Preventive and Mitigative Measures Must an Operator Take? [49 CFR 192.935]

A. General Requirements. An operator must take additional measures beyond those already required by this Subpart to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area. An operator must base the additional measures on the threats the operator has identified to each pipeline segment (see §3317). An operator must conduct, in accordance with one of the risk assessment approaches in ASME~~/ANSI~~ B31.8S (incorporated by reference, see §507), Section 5, a risk analysis of its pipeline to identify additional measures to protect the high consequence area and enhance public safety. Such additional measures include, but are not limited to, installing automatic shut-off valves or remote control valves, installing computerized monitoring and leak detection systems, replacing pipe segments with pipe of heavier wall thickness, providing additional training to personnel on response procedures, conducting drills with local emergency responders and implementing additional inspection and maintenance programs [49 CFR 192.935(a)].

B. – B.1.c. ...

d. monitoring of excavations conducted on covered pipeline segments by pipeline personnel. If an operator finds physical evidence of encroachment involving excavation that the operator did not monitor near a covered segment, an operator must either excavate the area near the encroachment or conduct an above ground survey using methods defined in NACE SP0502 (incorporated by reference, see §507). An operator must excavate, and remediate, in accordance with ANSI~~/ASME~~ B31.8S and §3333 any indication of coating holidays or discontinuity warranting direct examination [49 CFR 192.935(b)(1)(iv)].

B.2. – F. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1282 (June 2004), amended LR 31:688 (March 2005), LR 33:485 (March 2007), amended by the Department of Natural Resources, Office of Conservation, LR 38:122 (January 2012), LR 44:1044 (June 2018), LR 46:1600 (November 2020), LR 49:1110 (June 2023), LR:

§3337. What Is a Continual Process of Evaluation and Assessment to Maintain a Pipeline's Integrity? [49 CFR 192.937]

A. – C.1.c. …

2. pressure test conducted in accordance with Chapter 23 of this Subpart. The use of pressure testing is appropriate for threats such as: Internal corrosion; external corrosion and other environmentally assisted corrosion mechanisms; manufacturing and related defects threats, including defective pipe and pipe seams; stress corrosion cracking; selective seam weld corrosion; dents; and other forms of mechanical damage. An operator must use the test pressures specified in table 3 of section 5 of ASME~~/ANSI~~ B31.8S (incorporated by reference, see §507) to justify an extended reassessment interval in accordance with § 3339; [49 CFR 192.937(c)(2)]

C.3. – D. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 30:1283 (June 2004), amended LR 31:688 (March 2005), LR 33:486 (March 2007), LR 47:1600 (November 2020), LR:

Chapter 51.Appendices

§5103. Appendix B—Qualification of Pipe

I. Listed Pipe Specifications

A. Listed Pipe Specifications

1. API Spec 5L—Steel pipe, "~~API Specification for~~ Line Pipe" (incorporated by reference, see § 507).

I.A.2. – III.C.2. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:501 et seq.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 10:541 (July 1984), amended LR 18:859 (August 1992), LR 27:1551, 1552 (September 2001), LR 30:1287 (June 2004), LR 31:689 (March 2005), LR 33:487 (March 2007), LR 35:2813 (December 2009), amended by the Department of Natural Resources, Office of Conservation, LR 38:125 (January 2012), LR 44:1045 (June 2018), LR 46:1601 (November 2020), repromulated LR 47:1148 (August 2021), LR:

Title 33

ENVIRONMENTAL QUALITY

Part V. Hazardous Wastes and Hazardous Materials

Subpart 3. Natural Resources

Chapter 301. Transportation of Hazardous Liquids by Pipeline [49 CFR Part 195]

Subchapter A. General [49 CFR Part 195 Subpart A]

§30103. Which Pipelines are Covered by this Subpart? [49 CFR 195.1]

A. – A.4.b. …

c. a pipeline located in an inlet of the Gulf of ~~Mexico~~America as provided in §30413. [49 CFR 195.1(a)(4)(iii)]

A.5. – B.3.b. ….

4. except for the reporting requirements of Subchapter B of this Subpart, see §30121, transportation of petroleum through an onshore rural gathering line that does not meet

the definition of a *regulated rural gathering line* as provided in §30117. This exception does not apply to gathering lines in the inlets of the Gulf of ~~Mexico~~America subject to §30413. [49 CFR 195.1(b)(4)]

B.5. – B.10.b. …

C. Breakout t~~T~~anks. Breakout tanks that are subject to this Subpart must comply with requirements that apply specifically to breakout tanks and, to the extent applicable, with requirements that apply to pipeline systems and pipeline facilities. If a conflict exists between a requirement that applies specifically to breakout tanks and a requirement that applies to pipeline systems or pipeline facilities, the requirement that applies specifically to breakout tanks prevails. Anhydrous ammonia breakout tanks need not comply with ~~Sections~~ §§30189.B, 30205.B, 30264.B and E, 30307, 30428.C and D, and 30432.B and C. [49 CFR 195.1(c)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 18:861 (August 1992), LR 20:439 (1994), LR 21:814 (August 1995), LR 27:1523 (September 2001), LR 29:2804 (December 2003), LR 33:466 (March 2007), LR 35:2791 (December 2009), LR 38:99 (January 2012), LR 46:1604 (November 2020), LR:

§30105. Definitions [49 CFR 195.2]

A. As used in this Subpart:

* * *

Gulf of ~~Mexico~~America and *Its Inlets*—the waters from the mean high water mark of the coast of the Gulf of ~~Mexico~~America and its inlets open to the sea (excluding rivers, tidal marshes, lakes and canals) seaward to include the territorial sea and Outer Continental Shelf to a depth of 15 feet (4.6 meters), as measured from the mean low water.

* * *

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 18:861 (August 1992), LR 21:815 (August 1995), LR 27:1523 (September 2001), LR 28:83 (January 2002), LR 29:2805 (December 2003), LR 31:675 (March 2005), LR 33:467 (March 2007), LR 38:99 (January 2012), LR 44:1021 (June 2018), LR 46:1604 (November 2020), LR 49:1090 (June 2023), LR 50:1243 (September 2024), LR:

§30107. Matter Incorporated by Reference in Whole or in Part [49 CFR 195.3]

A. ~~This part prescribes standards, or portions thereof,~~Certain material is incorporated by reference into this part with the approval of the Director of the *Federal Register* in 5 U.S.C. 552(a) and 1 CFR part 51. ~~The materials listed in this section have the full force of law. To enforce any edition other than that specified in this section, PHMSA must publish a notice of change in the Federal Register.~~ All approved incorporation by reference (IBR) material is available for inspection at the Pipeline and Hazardous Materials Safety Administration (PHMSA) and at the National Archives and Records Administration (NARA). Contact PHMSA at: Office of Pipeline Safety, Pipeline and Hazardous Materials Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590; (202) 366-4046; www.phmsa.dot.gov/pipeline/regs. For information on inspecting this material at NARA, visit www.archives.gov/federal-register/cfr/ibr-locations.html or email fr.inspection@nara.gov. It is also available from the sources in the following paragraphs of this section.

~~1. Availability of standards incorporated by reference. All of the materials incorporated by reference are available for inspection from several sources, including the following.~~

~~a. The Office of Pipeline Safety, Pipeline and Hazardous Materials Safety Administration, 1200 New Jersey Avenue SE., Washington, DC 20590. For more information contact 202-366-4046 or go to the PHMSA Web site at: http://www.phmsa.dot.gov/pipeline/regs.~~

~~b. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to the NARA Web site at: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.~~

~~c. Copies of standards incorporated by reference in this part can also be purchased from the respective standards developing organization at the addresses provided in the centralized IBR section below.~~

Source and Name of Referenced Material	Approved for Title 33 Reference
B. American Petroleum Institute (API), ~~1220 L Street~~ 200 Massachusetts Avenue NW, Suite 1100., Washington, DC 2000~~5~~1-5571, phone: 202-682-8000, http://api.org/.	
1. API Publication 2026, "Safe Access/Egress Involving Floating Roofs of Storage Tanks in Petroleum Service," ~~2nd~~3rd edition, ~~April 1998 (reaffirmed June 2006)~~June 2017 (API Pub 2026).	§30405
B.2. – B.4. …	
5. ANSI/API Recommended Practice 651, "Cathodic Protection of Aboveground Petroleum Storage Tanks," ~~3rd~~4th edition, ~~January 2007~~September 2014, (~~ANSI~~/API RP 651).	§§30565.A; 30573.D
B.6. – B.11. …	
12. API Recommended Practice 2350, "Overfill Protection for Storage Tanks in Petroleum Facilities," ~~3rd~~5th edition, ~~January 2005~~September 2020, (API ~~RP~~Std 2350).	§30428.C
13. API Specification 5L, "Specification for Line Pipe," 45~~6~~th edition, ~~effective July 1, 2013~~April 2018, including Errata 1 (May 2018), (~~ANSI~~/API Spec 5L).	§§30161.B; 30161.E
14. ~~ANSI~~/API Specification Spec 6D, "Specification for Pipeline and Piping Valves," 2~~3~~4rd edition, ~~effective October 1, 2008~~August 2014, (~~i~~ncluding Errata 1 through 10(October 2014 through July 2021), ~~(June 2008), Errata 2 (November 2008), Errata 3 (February 2009), Errata 4 (April 2010), Errata 5 (November 2010), and Errata 6 (August 2011);~~ Addendum 1 (~~October 2009~~March 2015), Addendum 2 (~~August 2011~~June 2016), ~~and Addendum 3 (October 2012));~~ (~~ANSI~~/API Spec 6D).	§30173.D
B.15. – B.16. …	
17. API Standard 620, "Design and Construction of Large, Welded, Low-Pressure Storage Tanks," 1~~1~~2th edition~~, February 2008 (including addendum 1 (March 2009), addendum 2 (August 2010), and addendum 3 (March 2012))~~ effective October 2013, including Addendum 1 (November 2014), (API Std 620).	§§30189.B; 30205.B; 30264.B; 30264.E; 30307.B; 30565; 30579.D
18. API Standard 650, "Welded Steel Tanks for Oil Storage," ~~11th edition, June 2007, effective February 1, 2012, (including addendum 1 (November 2008), addendum 2 (November 2009), addendum 3 (August 2011), and errata (October 2011))~~ 13th edition, March 2020, including Errata 1 (January 2021), (API Std 650).	§§30189.B; 30205.B; 30264.B; 30264.E; 30307.C; 30307.D; 30565; 30579.D
B.19. …	

Source and Name of Referenced Material	Approved for Title 33 Reference
20. API Standard 1104, "Welding of Pipelines and Related Facilities," ~~20th edition, October 2005, (including errata/addendum (July 2007) and errata 2 (2008)~~ 21st edition, September 2013, including Errata 1 through 5 (April 2014 through September 2018), Addendum 1 (July 2014), and Addendum 2 (May 2016), (API Std 1104)).	§§30446.C; 30446.F
21. ANSI/API Standard 2000, "Venting Atmospheric and Low-pressure Storage Tanks," ~~6th edition, November 2009~~ 7th Edition, March 2014, Reaffirmed April 2020, ~~(API Std 2000)~~, (~~ANSI~~/API Std 2000).	§30264.E
B.22. – B.23. …	
C. ~~ASME International (ASME)~~ The American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016, 800-843-2763 (U.S/Canada), Web site: http://www.asme.org/.	
C.1. – C.2. …	
3. ASME/~~ANSI~~ B31.4-2006, "Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids" October 20, 2006, (ASME/~~ANSI~~ B31.4).	§§30165.A; 30452.H
4. ASME/~~ANSI~~ B31.8-200718, "Gas Transmission and Distribution Piping Systems," ~~November 30, 2007~~Issued November 20, 2018, (ASME/~~ANSI~~ B31.8).	§§30111.A; 30406.A
C.5. – D.2. …	
E. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 119428, phone: 610-832-9585; email: service@astm.org;, Web site: http://www.astm.org/.	
1. ASTM A53/A53M-~~10~~20, "Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless," approved ~~October 1, 2010~~July 2020, (ASTM A53/A53M).	§30161.E
2. ASTM A106/A106M-~~10~~19A, "Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service," approved ~~April 1, 2010~~November 1, 2019, (ASTM A106/A106M).	§30161.E
3. ASTM A333/A333M-~~11~~8, "Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness," approved ~~April 1, 2011~~ November 1, 2018, (ASTM A333/A333M	§30161.E
4. ASTM A381-~~96~~ / A381M-18 ~~(Reapproved 2005),~~ "Standard Specification for Metal-Arc Welded Steel Pipe for Use with High-Pressure Transmission Systems," approved ~~October 1, 2005~~November 1, 2018, (ASTM A381).	§30161.E
5. ASTM A671/A671M-~~10~~20, "Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures," approved ~~April 1, 2010~~March 1, 2020, (ASTM A671/A671M	§30161.E
E.6. …	
7. ASTM A691/A691M-~~0~~19, "Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures," approved ~~October 1, 2009~~November 1, 2019, (ASTM A691).	§30161.E
F. …	
1. MSS SP-75-200819 Standard Practice, ~~"Specification for High-Test~~High-Strength, Wrought, Butt-Welding Fittings," ~~2008 edition~~ published December 2019~~–~~, (MSS SP 75), IBR approved for §195.118(a).	§30175.A
F.2. …	
G. ~~NACE International (NACE), 1440 South Creek Drive, Houston, TX 77084, phone: 281-228-6223 or 800-797-6223, Web site: http://www.nace.org/Publications/~~.Association for Materials Protection and Performance (AMPP), 15835 Park Ten Place, Houston, TX 77084; phone: (800) 797-6223; website: https://ampp.org/standards.	
G.1. – G.3. …	
4. ~~NACE SP0204-2008, "Standard Practice, Stress Corrosion Cracking (SSC) Direct Assessment Methodology" reaffirmed September 18, 2008, (NACE SP0204).~~ NACE SP0204-2015, Stress Corrosion Cracking (SSC) Direct Assessment Methodology, Revised March 14, 2015, (NACE SP0204)	§30588.C
H. – I.2. …	

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 20:439 (1994), LR 21:815 (August 1995), LR 24:1313 (1998), LR 27:1523 (September 2001), LR 29:2806 (December 2003), LR 31:676 (March 2005), LR 33:467 (March 2007), LR 35:2792 (December 2009), LR 38:100 (January 2012), LR 44:1021 (June 2018), LR 46:1604 (November 2020), LR:

§30111. Conversion to Service Subject to This Subpart [49 CFR 195.5]

A. – A.1. …

a. testing the pipeline in accordance with ASME/~~ANSI~~ B31.8 (incorporated by reference, see §507), Appendix N, to produce a stress equal to the yield strength; and [49 CFR 195.5(a)(1)(i)]

A.1.b. – D. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 21:816 (August 1995), LR 29:2808 (December 2003), LR 44:1023 (June 2018), LR:

Subchapter B. Reporting Accidents and Safety-Related Conditions [Subpart B]

§30140. Report Submission Requirements [49 CFR 195.58]

A. General. Except as provided in Subsection B and E of this Section, an operator must submit each report required by this part electronically to PHMSA at ~~http://opsweb.phmsa.dot.gov~~https://portal.phmsa.dot.gov unless an alternative reporting method is authorized in accordance with Subsection D of this Section. [49 CFR 195.58(a)]

A.1. – E. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2812 (December 2003), amended LR 33:469 (March 2007), LR 35:2795 (December 2009), LR 38:104 (January 2012), LR 44:1024 (June 2018), LR:

§30141. Abandonment or Deactivation of Facilities. [49 CFR 195.59]

A. …

1. The preferred method to submit data on pipeline facilities abandoned after October 10, 2000 is to the National Pipeline Mapping System (NPMS) in accordance with the NPMS "Standards for Pipeline and Liquefied Natural Gas Operator Submissions". To obtain a copy of the NPMS s~~S~~tandards, please refer to the NPMS homepage at http://www.npms.PHMSA.dot.gov ~~or contact the NPMS National Repository at (703) 317-3073~~. A digital data format is preferred, but hard copy submissions are acceptable if they comply with the NPMS Standards. In addition to the NPMS-required attributes, operators must submit the date of abandonment, diameter, method of abandonment, and certification that, to the best of the operator's knowledge, all of the reasonably available information requested was provided and, to the best of the operator's knowledge, the abandonment was completed in accordance with applicable laws. Refer to the NPMS Standards for details in preparing

your data for submission. The NPMS Standards also include details of how to submit data. Alternatively, operators may submit reports by mail, fax, or e-mail to the Office of Pipeline Safety, Pipeline Hazardous Materials Safety Administration, Department of Transportation, Information Resources Manager, PHP-10, 1200 New Jersey Avenue, SE., Washington, DC 20590-0001; fax (202) 366-4566; e-mail, "*InformationResourcesManager@PHMSA.dot.gov*". The information in the report must contain all reasonably available information related to the facility, including information in the possession of a third party. The report must contain the location, size, date, method of abandonment, and a certification that the facility has been abandoned in accordance with all applicable laws [49 CFR 195.59(a)].

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2813 (December 2003), amended LR 33:469 (March 2007), LR 35:2796 (December 2009), LR:

30146. National Registry of Pipeline and LNG Operators [49 CFR 195.64]

A. OPID Request. Effective January 1, 2012, each operator of a hazardous liquid pipeline or pipeline facility must obtain from PHMSA an operator identification number (OPID). An OPID is assigned to an operator for the pipeline or pipeline system for which the operator has primary responsibility. To obtain an OPID or a change to an OPID, an operator must complete an OPID Assignment Request DOT Form PHMSA F 1000.1 through the National Registry of Pipeline and LNG Operators in accordance with §30140. For intrastate facilities subject to the jurisdiction of the Office of Conservation, the operator must concurrently file an online OR-1 Submission (Operator Registration) for Pipeline Safety with the same name as the OPID request at http://www.sonris.com. Each operator must validate the OR-1 annually by January 1<u>5</u> each year. [49 CFR 195.64(a)]

B. – D. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 38:104 (January 2012), amended LR 44:1024 (June 2018), LR 46:1605 (November 2020).

Subchapter C. Design Requirements [49 CFR Part 195 Subpart C]

§30161. Internal Design Pressure [49 CFR 195.106]

A. – B. …

1. the yield strength determined by performing all of the tensile tests of API Spec~~ification~~ 5L on randomly selected specimens with the following number of tests: [49 CFR 195.106(b)(1)(i)]

Pipeline Size	Number of Tests
Less than 6-5/8 in. (168.3 mm) nominal outside diameter	One test for each 200 lengths
6-5/8 through 12-3/4 in. (168 through 323 mm.) nominal outside diameter	One test for each 100 lengths
Larger than 12-3/4 in. (324 mm.) nominal outside diameter	One test for each 50 lengths

B.2. – D. …

E. The seam joint factor used in §30161.A is determined in accordance with the following standards incorporated by reference (see §30107). [49 CFR 195.106(e)(1)]

Specification	Pipe Class	Seam Joint Factor
ASTM A53	Seamless	1.00
	Electric resistance welded	1.00
	Furnace lap welded	0.80
	Furnace butt welded	0.60
ASTM A106/	Seamless	1.00
ASTM A333/A333M	Seamless	1.00
	Welded	1.00
ASTM A381	Double submerged arc welded	1.00
ASTM A671/A671M	Electric fusion welded	1.00
ASTM A672/A672M	Electric fusion welded	1.00
ASTM A691/A691M	Electric fusion welded	1.00
~~ANSI~~/API Spec 5L	Seamless	1.00
	Electric resistance welded	1.00
	Electric flash welded	1.00
	Submerged arc welded	1.00
	Furnace lap welded	0.80
	Furnace butt welded	0.60

E.2. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 20:441 (April 1994), LR 21:817 (August 1995), LR 27:1525 (September 2001), LR 29:2814 (December 2003), repromulgated LR 30:259 (February 2004), amended LR 44:1024 (June 2018), LR:

§30165. External Loads [49 CFR 195.110]

A. Anticipated external loads (e.g., earthquakes, vibration, thermal expansion, and contraction) must be provided for in designing a pipeline system. In providing for expansion and flexibility, Section 419 of ASME~~/ANSI B31.4~~ must be followed. [49 CFR 195.110(a)]

B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 20:441 (April 1994), LR 29:2815 (December 2003), LR:

§30173. Valves [49 CFR 195.116]

A. – A.3. …

4. Each valve must be both hydrostatically shell tested and hydrostatically seat tested without leakage to at least the requirements set forth in Section 11 of ~~ANSI~~/API Spec 6D (incorporated by reference, see §30107). [49 CFR 195.116(d)]

A.5. – 6.d. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 15:629 (August 1989), amended LR 18:864 (August 1992), LR 29:2816 (December 2003), LR 33:469 (March 2007), LR 35:2796 (December 2009), LR 38:105 (January 2012), LR 44:1024 (June 2018), LR:

Chapter 302. Transportation of Hazardous Liquids by Pipeline—Construction [49 CFR Part 195 Subpart D]

§30214. Welding Procedures [49 CFR 195.214]

A. Welding must be performed by a qualified welder or welding operator in accordance with welding procedures qualified under section 5(except for Note 2 in section 5.4.2.2), section 12, Appendix A or Appendix B of API Std 1104 (incorporated by reference, see §30107), or Section IX of the ASME Boiler and Pressure Vessel Code (ASME BPVC) (incorporated by reference, see §30107). The quality of the test welds used to qualify the welding procedures must be determined by destructive testing. [49 CFR 195.214(a)].

B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2818 (December 2003), amended LR 31:677 (March 2005), LR 33:469 (March 2007), LR 44:1026 (June 2018), LR 46:1606 (November 2020), LR:

§30246. Installation of Pipe in a Ditch [49 CFR 195.246]

A. …

B. Except for pipe in the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet deep, all offshore pipe in water at least 12 feet deep (3.7 meters) but not more than 200 feet deep (61 meters) deep as measured from the mean low water must be installed so that the top of the pipe is below the underwater natural bottom (as determined by recognized and generally accepted practices) unless the pipe is supported by stanchions held in place by anchors or heavy concrete coating or protected by an equivalent means. [49 CFR 195.246(b)]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2819 (December 2003), amended LR 31:677 (March 2005), LR 35:2796 (December 2009), LR:

§30248. Cover over Buried Pipeline [49 CFR 195.248]

A. Unless specifically exempted in this Chapter, all pipe must be buried so that it is below the level of cultivation. Except as provided in §30248.B of this Section, the pipe must be installed so that the cover between the top of the pipe and the ground level, road bed, river bottom, or underwater natural bottom (as determined by recognized and generally accepted practices), as applicable, complies with the following table [49 CFR 195.248(a)].

Location	Cover (Inches)(Millimeters)	
	For Normal Excavation	For Rock Excavation[1]
Industrial, commercial and residential area	36 (914)	30 (762)
Crossings of inland bodies of water with a width of at least 100 ft. (30 meters) from high water mark to high water mark	48 (1219)	18 (457)
Drainage ditches at public roads and railroads	36 (914)	36 (914)
Deepwater port safety zone	48 (1219)	24 (610)
Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet (4.6 meters) deep as measured from mean low water	36 (914)	18 (457)
Other offshore areas under water less than 12 ft (3.7 meters) deep as measured from mean low water	36 (914)	18 (457)
Any other area	30 (762)	18 (457)

[1]Rock excavation is any excavation that requires blasting or removal by equivalent means.

B. Except for the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet (4.6 meters) deep, less cover than the minimum required by Subsection A of this Section and §30210 may be used if [49 CFR 195.248(b)]:

B.1. – B.2. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2820 (December 2003), amended LR 31:678 (March 2005), LR 33:470 (March 2007).

Chapter 303. Transportation of Hazardous Liquids by Pipeline—Pressure Testing [49 CFR Part 195 Subpart E]

§30307. Pressure Testing Aboveground Breakout Tanks [49 CFR 195.307]

A. – C. …

D. For aboveground atmospheric pressure breakout tanks constructed of carbon and low alloy steel, welded or riveted, and non-refrigerated; and tanks that are returned to service after October 2, 2000, and are built to API Std 650 or its predecessor Standard 12C; the necessity for the hydrostatic testing of repair, alteration, and reconstruction is covered in section 12.3 of API ~~Standard~~Std 653. [49 CFR 195.307(d)]

E. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2823 (December 2003), amended LR 33:470 (March 2007), LR 38:105 (January 2012), LR 44:1027 (June 2018), LR:

Chapter 304. Transportation of Hazardous Liquids by Pipeline—Operation and Maintenance [49 CFR Part 195 Subpart F]

§30405. Protection against Ignitions and Safe Access/Egress Involving Floating Roofs [49 CFR 195.405]

A. After October 2, 2000, protection provided against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities involving aboveground breakout tanks must be in accordance with API RP 200~~3~~326 (incorporated by reference, see §30107), unless the operator notes in the procedural manual [§30402.C] why compliance with all or certain provisions of API RP 2003 is not necessary for the safety of a particular breakout tank. [49 CFR 195.405(a)]

B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2826 (December 2003), amended LR 44:1027 (June 2018), LR:

§30406. Maximum Operating Pressure [49 CFR 195.406]

A. – A.1. …

a. eighty percent of the first test pressure that produces yield under section N 5.0 of appendix N of ASME~~/ANSI~~ B31.8 (incorporated by reference, see §507), reduced by the appropriate factors in §30161.A and E; or [49 CFR 195.406(a)(1)(i)]

A.1.b. – B. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2826 (December 2003), amended LR 44:1027 (June 2018), LR:

§30413. Underwater Inspection and Reburial of Pipelines in the Gulf of ~~Mexico~~America and Its Inlet [49 CFR 195.413]

A. Except for gathering lines of 4 1/2 inches (114 mm) nominal outside diameter or smaller, each operator shall prepare and follow a procedure to identify its pipelines in the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet
(4.6 meters) deep as measured from mean low water that are at risk of being an exposed underwater pipeline or a hazard to navigation. The procedures must be in effect August 10, 2005. [49 CFR 195.413(a)]

B. Each operator shall conduct appropriate periodic underwater inspections of its pipelines in the Gulf of ~~Mexico~~America and its inlets in waters less than 15 feet (4.6 meters) deep as measured from mean low water based on the identified risk. [49 CFR 195.413(b)]

C. – C.3.b. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2827 (December 2003), amended LR 31:678 (March 2005), LR:

§30428. Overpressure Safety Devices and Overfill Protection Systems [49 CFR 195.428]

A. – B. …

C. Aboveground breakout tanks that are constructed or significantly altered according to API Standard 2510 after October 2, 2000, must have an overfill protection system installed according to Section 7.1.2 of API Standard 2510. Other aboveground breakout tanks with 600 gallons (2271 liters) or more of storage capacity that are constructed or significantly altered after October 2, 2000, must have an overfill protection system installed according to API ~~Recommended Practice~~ Std 2350 (incorporated by reference, see §30107). However, operators need not comply with any part of API Recommended Practice 2350 for a particular breakout tank if the operator notes in the manual required by §30402 why compliance with that part is not necessary for safety of the tank. [49 CFR 195.428(c)]

D. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:753.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2828 (December 2003), amended LR 44:1028 (June 2018), LR:

Chapter 305. Transportation of Hazardous Liquids by Pipeline—Qualification of Pipeline Personnel [49 CFR Part 195 Subpart G] and Corrosion Control [49 CFR Part 195 Subpart H]

Subchapter B. Corrosion Control [49 CFR Part 195 Subpart H]

§30565. How do I install cathodic protection on breakout tanks? [49 CFR 195.565]

A. After October 2, 2000, when you install cathodic protection under §30563.A to protect the bottom of an aboveground breakout tank of more than 500 barrels (79.5 m^3) capacity built to API Spec 12F (incorporated by reference, see §30107), API Std 620 (incorporated by reference, see §30107), or API Std 650 (incorporated by reference, see §30107) or API Std 650's predecessor, Standard 12C, you must install the system in accordance with ~~ANSI/~~API RP 651 (incorporated by reference, see §30107). However, you don't need to comply with ~~ANSI/~~API RP 651 when installing any tank for which you note in the corrosion control procedures established under §30402.C.3 why compliance with all or certain provisions of API RP 651 is not necessary for the safety of the tank. [49 CFR 195.565]

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 29:2837 (December 2003), amended LR 44:1030 (June 2018), LR:

§30588. What standards apply to direct assessment? [49 CFR 195.588]

A. – B.5.b. …

C. If you use direct assessment on an onshore pipeline to evaluate the effects of stress corrosion cracking, you must develop and follow a Stress Corrosion Cracking Direct Assessment plan that meets all requirements and recommendations of NACE SP0204~~-2008~~ (incorporated by reference, see § 30107) and that implements all four steps of the Stress Corrosion Cracking Direct Assessment process including pre- assessment, indirect inspection, detailed examination and post- assessment. As specified in NACE SP0204~~-2008~~, Section 1.1.7, Stress Corrosion Cracking Direct Assessment is complementary with other inspection methods such as in-line inspection or hydrostatic testing and is not necessarily an alternative or replacement for these methods in all instances. In addition, the plan must provide for: [49 CFR 195.588(c)]

C.1. – C.5.i. …

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:703.

HISTORICAL NOTE: Promulgated by the Department of Natural Resources, Office of Conservation, Pipeline Division, LR 33:472 (March 2007), amended LR 35:2799 (December 2009), LR 38:108 (January 2012), LR 44:1030 (June 2018), LR:

Family Impact Statement

This Rule has no known impact on family formation, stability, and autonomy as described in R.S. 49:972.

Poverty Impact Statement

This Rule has no known impact on poverty as described in R.S. 49:973.

Small Business Analysis

This Rule has no known impact on small businesses as described in R.S. 49:965.6.

Provider Impact Statement

This Rule has no known impact on providers as described in HCR 170 of 2014.

Public Comments

All interested parties will be afforded the opportunity to submit data, views, or arguments, in writing. Written comments will be accepted by hand delivery, USPS or Fed Ex, until 4 p.m., September 21, 2025, at Office of Conservation, Pipeline Division, P.O. Box 94275, Baton Rouge, LA 70804-9275; or Office of Conservation, Pipeline Division, 617 North Third Street, Room 931, Baton Rouge, LA 70802. All inquiries should be directed to Michael Peikert at the above addresses or by phone to (225) 219-3799.

Steven M. Giambrone
Commissioner of Conservation