

Filed February 13, 1976  
8:35 am C. L. Tolson

PSC 192

CERTIFICATE


STATE OF WISCONSIN :  
: ss.  
PUBLIC SERVICE COMMISSION:

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Lewis T. Mittness, Executive Secretary of the Public Service Commission of Wisconsin, and custodian of the official records of said commission, do hereby certify that the annexed rule relating to standards concerning the construction, operation and maintenance of facilities for the production and transmission of natural gas was duly approved and adopted by this commission on December 11, 1975.

I further certify that said copy has been compared by me with the original on file in this commission and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have here-  
unto set my hand and affixed the  
official seal of the commission  
at the Hill Farms State Office  
Building in the City of Madison  
this 11 day of February, 1976.

  
\_\_\_\_\_  
Lewis T. Mittness  
Executive Secretary

BEFORE THE  
PUBLIC SERVICE COMMISSION OF WISCONSIN

Rules and Regulations Governing the Construction, )  
Operation, and Maintenance of Facilities for )  
the Production, Transmission, Distribution and ) 2-U-3829  
Utilization of Gas )

ORDER OF THE PUBLIC SERVICE COMMISSION  
AMENDING RULES

Pursuant to authority vested in the Public Service Commission of Wisconsin by sections 196.745 and 227.014, Wis. Stats., the Public Service Commission hereby adopts rules as follows:

Section PSC 135.09 of the WISCONSIN ADMINISTRATIVE CODE is amended to incorporate the following changes and additions to Part 192 of the Code of Federal Regulations.

1. In section 192.59, paragraphs (a)(1) and (b)(1) are revised and a new paragraph (c) is added to read as follows:

192.59 Plastic pipe.

(a) New plastic pipe is qualified for use under this part if--

(1) When the pipe is manufactured, it is manufactured in accordance with the latest listed edition of a listed specification, except that before March 21, 1975, it may be manufactured in accordance with any listed edition of a listed specification; and

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(b) Used plastic pipe is qualified for use under this part if--

(1) When the pipe was manufactured, it was manufactured in accordance with the latest listed edition of a listed specification, except that pipe manufactured before March 21, 1975, need only have met the requirements of any listed edition of a listed specification;

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(c) For the purpose of paragraphs (a)(1) and (b)(1) of this section, where pipe of a diameter included in a listed specification is impractical to use, pipe of a diameter between the sizes included in a listed specification may be used if it--

(1) Meets the strength and design criteria required of pipe included in that listed specification; and

(2) Is manufactured from plastic compounds which meet the criteria for material required of pipe included in that listed specification.

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2. Section 192.65(a) is amended to read as follows:

192.65 Transportation of pipe.

In a pipeline to be operated at a hoop stress of 20 percent or more of SMYS, an operator may not use pipe having an outer diameter to wall thickness ratio of 70 to 1, or more, that is transported by railroad unless--

(a) The transportation is performed in accordance with the 1972 edition of API RP5L1, except that before February 25, 1975, the transportation may be performed in accordance with the 1967 edition of API RP5L1.

3. Section 192.225(a) is amended to read as follows:

192.225 Qualification of welding procedures.

(a) Each welding procedure must be qualified under section IX of the ASME Boiler and Pressure Vessel Code or section 2 of the 1973 edition of API Standard 1104, whichever is appropriate to the function of the weld, except that a welding procedure qualified under section 2 of the 1968 edition of API Standard 1104 before March 20, 1975, may continue to be used but may not be requalified under that edition.

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4. Section 192.227(a)(2) is amended and revised to read as follows:

192.227 Qualification of welders.

(a)\*\*\*

(2) The following editions of Section 3 of API Standard 1104:

(i) The 1973 edition, except, that a welder may be qualified by radiography under subsection 3.51 without regard

for the standards in subsection 6.9 for depth of undercutting adjacent to the root bead unless that depth is visually determined by use of a depth measuring device on all undercutting along the entire circumference of the weld; or

(ii) If a welder is qualified before March 20, 1975, the 1968 edition, except that a welder may not requalify under the 1968 edition.

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5. Section 192.229(c) is amended and revised to read as follows:

192.229 Limitations on welders.

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(c) A welder qualified under section 192.227(a) may not weld unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under--

(1) Section 3 or 6 of the 1973 edition of API Standard 1104, except for the standards in subsection 6.9 for depth of undercutting adjacent to the root bead unless that depth is visually determined by use of a depth measuring device on all undercutting along the entire circumference of the weld; or

(2) In the case of tests conducted before March 20, 1975, section 3 or 6 of the 1968 edition of API Standard 1104.

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6. Section 192.241(c) is revised to read as follows:

192.241 Inspection and test of welds.

(c) The acceptability of a weld that is nondestructively tested or visually inspected is determined according to the standards in Section 6 of the 1973 edition of API Standard 1104. However, the standards in subsection 6.9 for depth of undercutting adjacent to the root bead apply only if--

(1) That depth is visually determined by use of a depth measuring device on all undercutting along the entire circumference of the weld; and

(2) Visual determination of internal undercutting is made in all pipe of the same diameter in a pipeline, except where impractical at tie-in welds.

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7. In section 192.625, paragraphs (a) and (b) are revised to read as follows:

192.625 Odorization of gas.

(a) A combustible gas in a distribution line must contain a natural odorant or be odorized so that at a concentration in air of one-fifth of the lower explosive limit, the gas is readily detectable by a person with a normal sense of smell.

(b) After December 31, 1976, a combustible gas in a transmission line in a Class 3 or Class 4 location must comply with the requirements of paragraph (a) of this section unless--

(1) At least 50 percent of the length of the line downstream from that location is in a Class 1 or Class 2 location;

(2) The line transports gas to any of the following facilities from which received gas without an odorant from that line before May 5, 1975;

(i) An underground storage field;

(ii) A gas processing plant;

(iii) A gas dehydration plant; or

(iv) An industrial plant using gas in a process where the presence of an odorant--

(A) Makes the end product unfit for the purpose of which it is intended;

(B) Reduces the activity of a catalyst; or

(C) Reduces the percentage completion of a chemical reaction; or

(3) In the case of a lateral line which transports gas to a distribution center, at least 50 percent of the length of that line is in a Class 1 or Class 2 location.

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8. Section 192.625(g)(1) of Title 49 of the Code of Federal Regulations is amended effective January 1, 1975, to read as follows:

192.625 Odorization of gas.

(g) \*\*\*

(1) January 1, 1977; or

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- 9. In section 192.705, paragraph (a) is amended, paragraph (b) is revised, and paragraph (c) is deleted. As amended, section 192.705 reads as follows:

192.705 Transmission lines; Patrolling.

(a) Each operator shall have a patrol program to observe surface conditions on and adjacent to the transmission line right-of-way for indications of leaks, construction activity, and other factors affecting safety and operation.

(b) The frequency of patrols is determined by the size of the line, the operating pressures, the class location, terrain, weather, and other relevant factors, but intervals between patrols may not be longer than prescribed in the following table:

Class location of line	Maximum intervals between patrols	
	At highway and railroad crossings	At all other places
1, 2 - - - - -	6 months	1 year
3 - - - - -	3 months	6 months
4 - - - - -	do	3 months

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- 10. In the table of contents, section 192.706 is added to read as follows:

192.706 Transmission lines, leakage surveys.

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- 11. Section 192.706 is added to read as follows:

192.706 Transmission lines; leakage surveys.

(a) Each operator of a transmission line shall provide for periodic leakage surveys of the line in its operating and maintenance plan.

(b) Leakage surveys of a transmission line must be conducted at intervals not exceeding 1 year. However, in the case of a transmission line which transports gas in conformity with section 192.625 without an odor or odorant, leakage surveys using leak detector equipment must be conducted--

(1) In Class 3 locations, at intervals not exceeding 6 months; and

(2) In Class 4 locations, at intervals not exceeding 3 months.

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12. 192.707 of Title 49 of the Code of Federal Regulations is revised to read as follows, effective April 21, 1975:

192.707 Line markers for mains and transmission lines.

(a) Buried pipelines. Except as provided in paragraph (b) of this section, a line marker must be placed and maintained as close as practical over each buried main and transmission line--

(1) At each crossing of a public road, railroad, and navigable waterway; and

(2) Wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference.

However, until January 1, 1978, paragraphs (a)(1) and (a)(2) of this section do not apply to mains installed before April 21, 1975, and until January 1, 1978, paragraph (a)(1) of this section does not apply to transmission lines installed before April 21, 1975.

(b) Exceptions for buried pipelines. Line markers are not required for buried mains and transmission lines--

(1) In Class 3 or Class 4 locations--

(i) Where placement of a marker is impractical; or  
(ii) Where a program for preventing interference with underground pipelines is established by law; or

(2) In the case of navigable waterway crossings, within 100 feet of a line marker placed and maintained at that waterway in accordance with this section.

(c) Pipelines aboveground. Line markers must be placed and maintained along each section of a main and transmission line that is located aboveground in an area accessible to the public.

(d) Markers other than at navigable waterways. The following must be written legibly on a background of sharply contrasting color on each line marker not placed at a navigable waterway.

(1) The word "Warning," "Caution," or "Danger" followed by the words "Gas Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least one inch high with one-quarter inch stroke.

(2) The name of the operator and the telephone number (including area code) where the operator can be reached at all times.

(e) Markers at navigable waterways. Each line marker at a navigable waterway must have the following characteristics:

(1) A sign, rectangular in shape, with a narrow strip along each edge colored international orange and the area between lettering on the sign and boundary strips colored white.

(2) Written on the sign in block style, black letters--

(i) The word "Warning," "Caution," or "Danger" followed by the words "Do Not Anchor or Dredge" and the words "Gas Pipeline Crossing"; and

(ii) The name of the operator and the telephone number (including area code) where the operator can be reached at all times.

(3) In overcast daylight, the sign is visible and the writing required by paragraph (e) (2) (i) of this section is legible, from approaching or passing vessels that may damage or interfere with the pipeline.

(f) Existing markers. Line markers installed before April 21, 1975, which do not comply with paragraph (d) or (e) of this section may be used until January 1, 1980.

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13. In Section IIA of Appendix A to Part 192, item 4 is amended to read as follows:

APPENDIX A -- INCORPORATED BY REFERENCE



II. Documents incorporated by reference.

A. American Petroleum Institute:

4. API Recommended Practice 5L1 entitled "API Recommended Practice for Railroad Transportation of Line Pipe" (1967 and 1972 editions).

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14. Item II.A.8 of Appendix A of Part 192 would be amended to read as follows:

APPENDIX A -- INCORPORATED BY REFERENCE

II. Documents incorporated by reference.

A. American Petroleum Institute:

8. API Standard 1104 "Standards for Welding Pipe Lines and Related Facilities" (1968 and 1973 editions).

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15. In Section II of Appendix A, subsection B.18. is amended by adding "D2513-70" and "D2513-71" within the parenthetical expression.

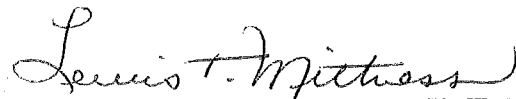
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16. In Section I of Appendix B, the next to the last item, beginning "ASTM D2513," is amended by adding the numbers "1970" and "1971" within the parenthetical expression.

The rules amended herein shall take effect on the first day of the month following its publication in the Wisconsin Administrative Register as provided in section 227.026(1), Wisconsin Statutes.

Dated at Madison, Wisconsin, December 11, 1975

By the Commission.

  
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Executive Secretary