

CR 83-124

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2-U-3829

CERTIFICATE

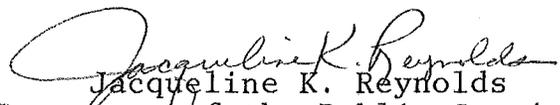
STATE OF WISCONSIN)
) ss.
PUBLIC SERVICE COMMISSION)

TO ALL WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Jacqueline K. Reynolds, Secretary of the Public Service Commission of Wisconsin, and custodian of the official records of said commission, do hereby certify that the annexed order amending rules governing the construction, operation and maintenance of facilities for the production, transmission, distribution and utilization of gas was duly approved and adopted by this commission on January 17, 1984.

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 hereunto set my hand and affixed the official seal of the commission at the Hill Farms State Office Building, in the City of Madison this 18th day of January, 1983.


Jacqueline K. Reynolds
Secretary of the Public Service
Commission of Wisconsin

3-1-84

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DATE MAILED
JAN 18 1984

BEFORE THE
PUBLIC SERVICE COMMISSION OF WISCONSIN

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

ORDER OF THE PUBLIC SERVICE COMMISSION
AMENDING RULES

Relating to gas safety rules contained in ch. PSC 135:
to repeal s. 192.455(f)(3) of PSC 135; to repeal ss. 192.313(b),
(c) and (d); to amend ss. 192.227(c)(1) and (2); 192.283(b)(5);
192.455(f)(2); 192.706(b); 192.721(b); 192.723(b)(1); 192.731(c);
192.739 (intro); 192.743(a); 192.745; 192.747; 192.749(a);
Subd. I, item F, Appendix A to part 192; Subd. II, B, item (21);
Appendix A to part 192; Subd. I, Appendix B to part 192;
193.2313(b); 193.2623 (intro); 193.2629(a)(2)(ii);
193.2917(a); Subd. I, item F, Appendix A to part 193; to repeal
and recreate s. 192.619(a)(2)(ii) (intro); the table in s. 192.705(b);
192.707(b)(2)(ii), and to create s. 192.614.

ANALYSIS PREPARED BY THE PUBLIC SERVICE
COMMISSION OF WISCONSIN

On April 28, 1983, the Public Service Commission approved various amendments and additions to chapter PSC 135, Wis. Adm. Code. The chapter incorporates with some changes part 192 and 193, 49 Code of Federal Regulations: Minimum Safety Standards for Pipeline Facilities and Transportation of Natural Gas and Liquefied Natural Gas Established by the Federal Department of Transportation, Office of Pipeline Safety Operations.

The commission amends ch. PSC 135, Wis. Adm. Code to conform to recent changes in federal rules. The specific amendments are:

1. Revise the table of contents in ch. PSC 135 to add a new s. 192.614 entitled: "Damage prevention program."
2. Revise slightly the time periods for welder qualification in s. 192.227(c)(1) and (2).
3. Slightly revise the temperature for a tensile stress test performed under s. 192.283(b)(5) from 55.6°C to 55°C.
4. Require pipeline owners to establish written programs to prevent excavation damage.
5. Provide more flexibility in the intervals allowable between transmission line patrols and leakage surveys. The

allowable periods for inspection of other facilities are also increased slightly.

6. Substitute more recent editions of materials incorporated by reference.

RULES AND STATUTORY AUTHORITY

Pursuant to authority vested in the Public Service Commission by s. 196.16, Stats., the commission adopts rules as follow:

SECTION 1. The table of contents of part 192 of c. PSC 135 is amended in subpart L, Operations, to add a new s. 192.614 entitled "Damage prevention program."

SECTION 2. Sec. 192.227(c)(1) and (2) of PSC 135 are amended to read:

(1) Within the preceding ~~12~~ 15 calendar months, ~~he~~ the welder has requalified, except that the welder must requalify at least once each calendar year; or

(2) Within the preceding ~~6~~ 6 7½ calendar months, but at least twice each calendar year, he the welder has had—

SECTION 3. Sec. 192.283(b)(5) of PSC 135 is amended as follows:

(5) Pipe specimens 102 mm (4 in.) and larger in diameter shall be pulled until the pipe is subjected to a tensile stress equal to or greater than the maximum thermal stress that would be produced by a temperature change of ~~55.6°C~~ 55°C (100°F) or until the pipe is pulled from the fitting. If the pipe pulls from the fitting, the lowest value of the five test results, or the manufacturer's rating, whichever is lower, must be used in the design calculations for stress.

SECTION 4. Sec. 192.313(b), (c) and (d) which follows italicized (a)(5) is repealed.

SECTION 5. Sec. 192.455(f)(2) of PSC 135 is amended as follows:

(2) The fitting is designed to prevent leakage caused by localized corrosion pitting; ~~and~~.

SECTION 6. Sec. 192.455(f)(3) of PSC 135 is repealed.

SECTION 7. Sec. 192.614 of PSC 135 is created to read as follows:

192.614 DAMAGE PREVENTION PROGRAM.

(a) Except for pipelines listed in paragraph (c) of this section, each operator of a buried pipeline shall carry out in accordance with this section a written program to prevent damage to that pipeline by excavation activities. For the purpose of this section, "excavation activities" include excavation, blasting, boring, tunneling, backfilling, the removal of above ground structures by either explosive or mechanical means, and other earth moving operations. An operator may perform any of the duties required by paragraph (b) of this section through participation in a public service program, such as a "one-call" system, but such participation does not relieve the operator of responsibility for compliance with this section.

(b) The damage prevention program required by paragraph (a) of this section must, at a minimum--

(1) Include the identity, on a current basis, of persons who normally engage in excavation activities in the area in which the pipeline is located.

(2) Provide for notification of the public in the vicinity of the pipeline and actual notification of the persons identified in paragraph (b)(1) of the following as often as needed to make them aware of the damage prevention program:

(i) The program's existence and purpose; and

(ii) How to learn the location of underground pipelines before excavation activities are begun.

(3) Provide a means of receiving and recording notification of planned excavation activities.

(4) Provide for actual notification of persons who give notice of their intent to excavate of whether there are buried pipelines in the area of excavation activity and, if so, the type of temporary marking to be provided and how to identify the markings.

(5) Provide for temporary marking of buried pipelines in the area of excavation activity before, as far as practical, the activity begins.

(6) Provide as follows for inspection of pipelines that an operator has reason to believe could be damaged by excavation activities:

(i) The inspection must be done as frequently as necessary during and after the activities to verify the integrity of the pipeline; and

(ii) In the case of blasting, any inspection must include leakage surveys.

(c) A damage prevention program under this section is not required for the following pipelines:

(1) Pipelines in a Class 1 or 2 location.

(2) Pipelines in a Class 3 location defined by §192.5(d)(2) that are marked in accordance with §192.707.

(3) Pipelines to which access is physically controlled by the operator.

(4) Pipelines that are part of a petroleum gas system subject to §192.11 or part of a distribution system operated by a person in connection with that person's leasing of real property or by a condominium or cooperative association.

SECTION 8. Sec. 192.619(a)(2)(ii)(intro) of PSC 135 is repealed and recreated to read:

(ii) For steel pipe, operated at 100 p.s.i.g. or more, the test pressure is divided by a factor determined in accordance with the following table:

SECTION 9: The table in sec. 192.705(b) of PSC 135 is repealed and recreated to read:

	Maximum Interval Between Patrols	
Class location of line	At highway and railroad crossings	All other places
1,2.....	7½ months; but at least twice each calendar year.	15 months; but at least once each calendar year.
3.....	4½ months; but at least four times each calendar year.	7½ months; but at least twice each calendar year.
4.....	4½ months; but at least four times each calendar year.	4½ months; but at least four times each calendar year.

SECTION 10. Sec. 192.706(b) of PSC 135 is amended to read:

(b) Leakage surveys of a transmission line must be conducted at intervals not exceeding 1-year 15 months, but at least once each calendar year. However, in the case of a transmission line which transports gas in conformity with §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 7½ months, but at least twice each calendar year; and

(2) In Class 4 locations, at intervals not exceeding 3 4½ months, but at least four times each calendar year.

SECTION 11. Sec. 192.707(b)(2)(ii) of PSC 135 is repealed and recreated to read:

(ii) Where a damage prevention program is in effect under §192.614; or

SECTION 12. Sec. 192.721(b) of PSC 135 is amended to read:

(b) Mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage must be patrolled

patrolled at intervals not exceeding 3 4½ months, but at least four times each calendar year.

SECTION 13. Sec. 192.723(b)(1) of PSC 135 is amended to read as follows:

(1) A gas detector survey must be conducted in business districts, including tests of the atmosphere in gas, electric, telephone, sewer, and water system manholes, at cracks in pavement and sidewalks, and at other locations providing an opportunity for finding gas leaks, at intervals not exceeding 1 year 15 months, but at least once each calendar year.

SECTION 14. Sec. 192.731(c) of PSC 135 is amended to read as follows:

(c) Each remote control shutdown device must be inspected and tested, at intervals not ~~to exceed~~ 1 year exceeding 15 months, but at least once each calendar year, to determine that it functions properly.

SECTION 15. Sec. 192.739(intro.) of PSC 135 is amended to read as follows:

Each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment must be subjected, at intervals not exceeding 1 year 15 months, but at least once each calendar year, to inspections and tests to determine that it is—

SECTION 16. Sec. 192.743(a) of PSC 135 is amended to read as follows:

(a) If feasible, pressure relief devices (except rupture discs) must be tested in place, at intervals not exceeding 1 year 15 months, but at least once each calendar year, to determine that they have enough capacity to limit the pressure on the facilities to which they are connected to the desired maximum pressure.

SECTION 17. Sec. 192.745 of PSC 135 is amended to read as follows:

Each transmission line valve that might be required during any emergency must be inspected and partially operated, at intervals not exceeding 1 year 15 months, but at least once each calendar year.

SECTION 18. Sec. 192.747 of PSC 135 is amended to read as follows:

Each valve, the use of which may be necessary for the safe operation of a distribution system, must be checked and serviced, at intervals not exceeding 1 year 15 months, but at least once each calendar year.

SECTION 19. Sec. 192.749(a) of PSC 135 is amended to read as follows:

(a) Each vault housing pressure regulating and pressure limiting equipment, and having a volumetric internal content of 200 cubic feet or more, must be inspected, at intervals not exceeding 1 year 15 months, but at least once each calendar year, to determine that it is in good physical condition and adequately ventilated.

SECTION 20. In Part 192 of PSC 135, Appendix A — Incorporated by Reference, subdivision I, Item F is amended as follows:

F. National Fire Protection Association (NFPA), 470 Atlantic Avenue, Boston, Massachusetts ~~02110~~ Batterymarch Park, Quincy, Massachusetts 02269.

SECTION 21. In Part 192 of PSC 135, Appendix A — Incorporated by Reference, subdivision I, B, item (21) as follows:

(21) ASTM Specification D2513 "Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings" (D2513-78ES 81).

SECTION 22: In Part 192 of PSC 135, in Appendix B — Qualification of Pipe, subdivision I, the listing for ASTM 2513 is amended as follows:

ASTM D2513 — Thermoplastic pipe and tubing (1978) (1981).

SECTION 23: Sec. 193.2313(b) of PSC 135 is amended to read as follows:

(b) Oxygen fuel gas welding is not permitted on flammable fluid piping with a service temperature below -20°C (-22°F) -29°C (-20°F).

SECTION 24. Sec. 193.2623 (intro) of PSC 135 is amended to read as follows:

Each LNG storage tank must be inspected or tested to verify that each of the following conditions does not impair the structural integrity or safety ~~or~~ of the tank:

SECTION 25. Sec. 193.2629(a)(2)(ii) of PSC 135 is amended as follows:

(a)(2)(ii) A cathodic protection system design to protect components in their entirety in accordance with the requirements of §192.463 of this chapter and placed in operation before October 23, 1981, or, within 1 year after the component is constructed or installed, whichever is ~~earlier~~ later.

SECTION 26. Sec. 193.2917(a) of PSC 135 is amended to read:

(a) Warning signs must be conspicuously placed along each protective enclosure at intervals so that at least one sign is recognizable at night from a distance of ~~39m~~ 30m (100 ft.) from any way that could reasonably be used to approach the enclosure.

SECTION 27. In Part 193 of PSC 135, Appendix A — Incorporation by Reference, subdivision I, item F, is amended as follows:

F. National Fire Protection Association
(NFPA), 470 Atlantic Ave, Boston, Massachusetts
02210, Batterymarch Park, Quincy, Massachusetts
02269.

There will be no fiscal impact of the proposed rules on the state or municipalities. Permission to incorporate the standards of these rules has been granted by the Revisor of Statutes and Attorney General (Letter of October 3, 1983).

The rules have been forwarded to the legislature for review pursuant to sec. 227.018, Stats. They will take

effect on the first day of the month following publication in the Wisconsin Administrative Register, as provided in sec. 227.026, Wis. Stats.

Dated at Madison, Wisconsin,

January 17, 1984

By the Commission.

Jacqueline K. Reynolds
Jacqueline K. Reynolds
Secretary to the Commission.

Notice of Appeal Rights

To comply with the requirements of s. 227.11(2), Wis. Stats., 1981, notice is hereby given that a party aggrieved by the foregoing decision has the right and option to file a petition for rehearing as provided in s. 227.12, Wis. Stats., within 20 days of the date of mailing of this decision as shown on the first page.

Notice is further given that a person aggrieved by the foregoing decision also has the right and option to file a petition for judicial review as provided in s. 227.16, Wis. Stats., within 30 days after the mailing of this decision. The Public Service Commission of Wisconsin shall be named as respondent in the petition for judicial review.

This general notification is for the purpose of ensuring compliance with s. 227.11(2), Wis. Stats., 1981, and does not constitute a conclusion or admission that any particular party is necessarily adversely affected or that any particular decision is final or appealable.



State of Wisconsin \ PUBLIC SERVICE COMMISSION

January 18, 1984

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NESS FLORES, CHAIRMAN
STANLEY YORK, COMMISSIONER
BRANKO TERZIC, COMMISSIONER
4802 SHEBOYGAN AVENUE
P.O. BOX 7854
MADISON, WISCONSIN 53707

Mr. Gary Poulson
Assistant Revisor of Statutes
411 West, State Capitol
Madison, Wisconsin 53702

File No.
2-U-3829

Re: Rules Governing the Construction,
Operation and Maintenance of Facilities
for the Production, Transmission,
Distribution and Utilization of Gas
Clearinghouse No. 83-124

Dear Mr. Poulson:

Enclosed please find two copies (one certified) of an order
of the Public Service Commission adopting rules in the above-
entitled matter.

The rules have been seen by legislative committees (sent
November 11, 1983).

Sincerely,

Steven Levine
Assistant Chief Counsel

SL:e

Enc.