

PSC 134

Filed Dec 21, 1964

BEFORE THE
PUBLIC SERVICE COMMISSION OF WISCONSIN

STATE OF WISCONSIN)
PUBLIC SERVICE COMMISSION) SS

TO ALL TO WHOM THESE PRESENTS SHALL COME; GREETINGS:

I, John F. Goetz, Acting Secretary of the Public Service Commission of Wisconsin, and custodian of the official records of said Commission, do hereby certify that the annexed document in Docket 2-U-594, Gas Utilities

relating to amending and adopting of rules in Section PSC 134, Wisconsin Administrative Code.

was duly approved and adopted by this Commission of November 27, 1964

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 department at the Capitol in the city of Madison, this 21st day of December, A.D. 1964.

John F. Goetz

Acting Secretary

ORDER OF THE
PUBLIC SERVICE COMMISSION OF WISCONSIN
ADOPTING AND AMENDING RULES

Pursuant to authority vested in the Public Service Commission by chapters 196 and 227, Wis. Stats., the Public Service Commission hereby amends and adopts rules as follows:

Section PSC 134.01(5), Wisconsin administrative code, is amended to read:

PSC 134.01(5) In case of emergency, where public interest requires immediate action without waiting for compliance with the specific terms of these rules, immediate corrective action shall be taken by the utility, which action, however, shall be subject to review by the public service commission.

Section PSC 134.05, Wisconsin administrative code, is renumbered to be section PSC 134.05(1) and section PSC 134.05(2) is adopted to read:

PSC 134.05(2) Each gas utility, for every municipality in which it serves, shall provide in the respective telephone directories a telephone listing by which the utility can be notified during a 24-hour day of any utility service deficiency or emergency which may exist.

Section PSC 134.11(6), Wisconsin administrative code, is adopted to read:

PSC 134.11(6) A temperature-compensating meter shall be used whenever a gas meter is subject to the elements of the weather or wide variations in temperature. All present non-compensating installations subject to the elements of the weather and wide variations in temperature shall be changed so that 100% compliance will be attained by the end of the first complete testing cycle as provided in section PSC 134.30(1).

Section PSC 134.13(6), Wisconsin administrative code, is amended to read:

PSC 134.13(6) A utility may base its rates on either a volumetric basis or a "therm" basis but permission must be obtained from this commission to change any rate from one method to another. The unit of service on a volumetric basis shall be the cubic foot. If the volume billed is at a different pressure and/or temperature base than the registered volume, the rate shall specify the billing pressure and temperature. The "therm" billing unit shall be 100,000 British thermal units of total dry heating value. Where therm billing is used, the heating value shall be the average for the billing period or a filed lesser amount. Adjustment of volumes or therms billed shall not be made because of the delivery of standby or peak shaving gas without commission approval.

The title of section PSC 134.25, Wisconsin administrative code, is amended to read, "General use of calorimeter equipment" and subsection (5) of said section is amended to read:

PSC 134.25(5) The calorimeter equipment shall be maintained so as to give results within + or - 1%. Recording calorimeters used to test

or control the production or mixing of gas or measure the heating value of purchased gas when therm rates are not applicable shall be tested with a gas of known heating value at least three times a year or when the accuracy is in question. Recording calorimeters used only with standby or peak shaving production plants shall be tested with a gas of known heating value at least two times a year. Non-recording calorimeter equipment such as the Junkers shall be tested with a gas of known heating value at least once a year or tested against another calorimeter of known accuracy at least once a year.

Section PSC 134.251, Wisconsin administrative code, is adopted to read:

PSC 134.251 Use of recording calorimeter for therm billing. (1) In the application of gas rates based on the therm, a recording calorimeter shall be used to determine the heating value of the gas being distributed to utility customers. These calorimeters will be located as set forth in section PSC 134.25(2) and (3), Wisconsin administrative code. They shall have such accuracy characteristics as to be able to measure the heating value of the gas to within + or - 2 B.t.u., shall be able to reproduce these readings to within + or - 2 B.t.u., and shall be able to hold their accuracy over an extended period of time. The instruments shall be installed in accordance with the manufacturer's recommendations.

(2) Each utility selling gas shall file with the commission a complete installation report stating the following information: Location of calorimeter, kind of gas tested, type of scale, uniform or split scale range, date installed, publication number of manufacturer's applicable book of instructions, outline of the building, the location of the calorimeter or calorimeters within the building, the size, length, gas pressure, and general route of the gas sample pipe from the supply main to each calorimeter and location of all secondary equipment necessary for the operation of the recording calorimeter.

(3) (a) Each utility selling gas shall keep a chronological record of dates and results of test and operations performed on the calorimeter to test and maintain accuracy.

(b) Twice every month the following tests shall be made:

1. Two days of each month shall be selected for the performance of an "as found" accuracy test, mechanical tests, adjustments, and an "as left" accuracy test of each recording calorimeter, and thereafter the specified accuracy tests, adjustments, and maintenance work shall be performed on the same days of each month insofar as practicable.

2. In making the accuracy tests on the calorimeter, the utility shall use reference natural gas which has been certified by the Institute of Gas Technology before cleaning parts or making any adjustments to either the tank unit or the recorder mechanism. The change from line gas to the certified gas should be made so as to have a continuous chart recording. The inlet pressure used should be the same for both calibration and subsequent operation.

3. If the "as found" accuracy test is within + or - 3 B.t.u., no adjustment will be required and the instrument may be returned to service. If the "as found" accuracy test is not within + or - 3 B.t.u., maintenance shall be performed to restore the accuracy of the instrument.

(4) In order that adequate information concerning each cylinder of natural gas which is to be used for the semi-monthly check tests be available at all times, the following information shall be entered on a form or in a log book provided for the purpose and also on a label or tag securely attached to each cylinder in which the gas is stored:

(a) Institute of Gas Technology Cylinder Number.

(b) Institute of Gas Technology Certificate Number.

(c) Date cylinder was certified.

(d) Date cylinder was received by the utility.

(e) Heating value certified by Institute of Gas Technology.

(f) Basis of the heating value in (e) above.

(g) Heating value to be used in the semi-monthly accuracy tests. This heating value will not include any plus or minus values. For example, if the heating value is 1,000 + or - 0.9 B.t.u. per cubic foot, the heating value will be considered as being 1,000 B.t.u. per cubic foot.

(h) Basis of the heating value in (g) above.

(5) The original chart records produced by the recording calorimeters shall be dated, labeled, and kept on file for 6 years. A copy of the daily average heating value of gas and the results of the semi-monthly "as found" and "as left" test shall be sent to the commission each calendar month.

Section PSC 134.26(2), Wisconsin administrative code, is amended to read:

PSC 134.26(2) Each public utility giving gas service shall own and maintain, except as provided in section PSC 134.26(1), an industry-approved meter prover of a capacity of not less than 5 cubic feet. The meter prover shall be complete with all accessories needed for accurate meter testing, shall be suitably located for meter testing, and shall be protected from drafts and excessive temperature changes. The equipment shall be maintained in good condition and correct adjustment and be capable of determining the accuracy of service meters to within one-half of one per cent. When the meter prover is used to test temperature-compensating meters, there shall be present a temperature-indicating device to accurately determine the temperature

of the prover to within + or - 1 degree Fahrenheit.

Section PSC 134.28(5), Wisconsin administrative code,
is adopted to read:

PSC 134.28(5) Temperature-compensated gas displacement meters when tested shall be proved to a base temperature of 60 degrees Fahrenheit.

Section PSC 134.30(1), Wisconsin administrative code,
is amended to read:

PSC 134.30(1) All diaphragm meters that are measuring dry gas and have non-absorptive type diaphragms or were rediaphragmed since the introduction of dry gas shall be due for removal from service, tested, adjusted, repaired if necessary, and retested if reused, every 144 months if the meter capacity is 2,400 cubic feet per hour or less at $\frac{1}{2}$ -inch water column and every 48 months if the capacity is greater than 2,400 cubic feet. Meters shall be tested during the calendar year in which said 144th or 48th month falls.

The rules and amendments contained herein shall take effect on February 1, 1965, as provided in section 227.026 (1), Wis. Stats.

Dated: *December 21, 1964*

PUBLIC SERVICE COMMISSION OF WISCONSIN



Acting Secretary