



SPG-171  
1147-4  
3585-3

OTTAWA, June 9, 1972.

TEMPORARY SPECIAL APPROVAL

Granted to: Wintering Hills Gas Co-op. Ltd.,  
Wintering Hills, Alberta.

Attention: Bell & Fenske Consulting Engineering Ltd.,  
5627-21 S.W.  
Calgary, Alberta.

Subject: Use of Pressure Factor in Gas Metering  
Installations.

Temporary Special Approval has been granted by the Standards Branch to Wintering Hills Gas Co-op. Ltd., to apply a pressure factor in the measurement of gas at the following installations under the stated conditions which apply in all cases:

|                              |   |
|------------------------------|---|
| Nature of Load               | Farmstead   |
| Service line pressure        | M.O.P. 50 psig  |
| Upstream regulator           | 3/4" Reliance 268 - 5/16" orifice   |
| Base pressure                | atmospheric plus 4 oz. (13.5 psi)   |
| Average atmospheric pressure | 3,000 ASL - 13.25 psi   |
| Pressure compensation factor | <u>Average Atmos. Press. + Regulator Press.</u><br>Base Pressure  |
| Meter type                   | Canadian Meter AL 225 and AL 425 positive displacement diaphragm meter as listed. All temperatures compensated. |
| Downstream regulator         | 3/4" x 1" Reliance 1633B-5/16" orifice. Full capacity internal relief - under pressure shut off.                |



| <u>Location</u> | <u>Peak Load<br/>C.F.H.</u> | <u>Pressure<br/>psig.</u> | <u>Meter</u> | <u>Compensation<br/>Factor</u> |
|-----------------|-----------------------------|---------------------------|--------------|--------------------------------|
| SE-28-25-20     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE-15-25-20     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE-27-25-20     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-25-25-20     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 2-26-20     | 400                         | 10#                       | AL 425-10#   | 1.722                          |
| NE-36-24-20     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE-30-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-22-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE-28-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-33-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-34-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 5-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 7-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE- 9-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-10-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW- 3-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-34-24-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-13-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-30-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-29-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE-26-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE-36-25-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW- 1-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-12-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE-12-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE-24-26-19     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE-18-26-18     | 400                         | 10#                       | AL 425-10#   | 1.722                          |
| NE- 8-26-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-10-26-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-15-26-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-22-26-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW- 1-26-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 6-26-17     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-36-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-16-25-17     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-25-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NE-22-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW-22-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW- 9-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SW-10-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 4-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| SE- 3-25-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |
| NW- 2-25-18     | 400                         | 10#                       | AL 425-10#   | 1.722                          |
| SW-34-24-18     | 200                         | 5#                        | AL 225-5#    | 1.352                          |



This service may be subject to "spot checks" by the Electricity and Gas Inspection Service at any time with reasonable notice.

This approval is temporary and will expire when permanent regulations pertaining to pressure factor measurement are put into effect.

*W.J.S. Fraser*

W.J.S. Fraser,  
Chief,  
Electricity and Gas Division.

c.c. Mr. A. S. Park, Calgary  
Mr. W. A. Sayers, Winnipeg

