



SPG-187

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3585-3

OTTAWA, August 4, 1972

TEMPORARY SPECIAL APPROVAL

Granted to: Livingstone Gas Co-op. Ltd.,
Alberta.

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

Subject: Use of Pressure Factor in Gas
Metering Installation.

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

Nature of load	Farmstead
Service line pressure	M.O.P. 50 psig
Upstream Regulator	3/4" Reliance 268 - 5/16" orifice
Base pressure	atmospheric + 4 oz.
Average atmospheric pressure	4500' ASL - 12.5 psi
Pressure compensation factor	<u>Av. atm. press. + Reg. press.</u> Base press.
Type of meter	Canadian Meter AL 225 and AL 425 positive displacement diaphragm meter as listed. All meters temperature compensated.
Down stream regulator	3/4" x 1" Reliance 1633B or 1833B 5/16" orifice. Full capacity internal relief under pressure shutoff.

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

CONSULTING ENGINEERING LTD.

• • • • • 5627 - 21 ST. S.W. CALGARY • • • • • TELEPHONE 243-8497 • • • • •

LIST OF INSTALLATIONS.

<u>Station</u>	<u>Size of peak load (C.F.H.)</u>	<u>Metering pressure</u>	<u>Meter</u>	<u>Pressure compensation factor.</u>
4- 9- 2-W5M	200	5 psig.	AL 225	1.3725
6- 9- 1 -W5M	200	5 psig.	AL 225	1.3725
5- 9- 1-W5M	200	5 psig.	AL 225	1.3725
4- 9- 1-W5M	200	5 psig.	AL 225	1.3725
34- 8- 2-W5M	200	5 psig.	AL 225	1.3725
35- 8- 2-W5M	200	5 psig.	AL 225	1.3725
36- 8- 2-W5M	200	5 psig.	AL 225	1.3725
36- 8- 2-W5M	200	5 psig.	AL 225	1.3725
23- 8- 2-W5M	200	5 psig.	AL 225	1.3725
14- 8- 2-W5M	200	5 psig.	AL 225	1.3725
14- 8- 2-W5M	600	10 psig.	AL 425	1.7647
30- 8- 2-W5M	200	5 psig.	AL 225	1.3725
19- 8- 2-W5M	200	5 psig.	AL 225	1.3725
19- 8- 2-W5M	200	5 psig.	AL 225	1.3725
33- 8- 2-W5M	200	5 psig.	AL 225	1.3725
2-10- 3-W5M	200	5 psig.	AL 225	1.3725
36- 9- 3-W5M	200	5 psig.	AL 225	1.3725
25- 9- 3-W5M	200	5 psig.	AL 225	1.3725
25- 9- 3-W5M	200	5 psig.	AL 225	1.3725
25- 9- 3-W5M	200	5 psig.	AL 225	1.3725
30- 9- 2-W5M	200	5 psig.	AL 225	1.3725
30- 9- 2-W5M	200	5 psig.	AL 225	1.3725
29- 9- 2-W5M	200	5 psig.	AL 225	1.3725
20- 9- 2-W5M	200	5 psig.	AL 225	1.3725
28- 9- 2-W5M	200	5 psig.	AL 225	1.3725
14- 9- 2-W5M	200	5 psig.	AL 225	1.3725
24- 9- 2-W5M	200	5 psig.	AL 225	1.3725
13-10- 2-W5M	200	5 psig.	AL 225	1.3725

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

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

c.c. Mr. A. S. Park
Mr. W. A. Sayers

