

OTTAWA, Ontario  
K1A 0C9

February 15, 1978

Consumer Standards Directorate  
Direction générale des normes

G6665-E1

SPECIAL APPROVAL

Granted to: Plains Western Gas & Electric Co. Ltd.,  
9924 63rd Avenue,  
Edmonton, Alberta T6E 0G9

Attention: Mr. Walter Litvinchuk,  
General Manager

Subject: Pressure Factor Metering for a Manifold Meter  
Installation

Special Approval has been granted by the Legal Metrology Branch to Plains Western Gas & Electric Co. Ltd. for the use of pressure factor metering in a manifold system composed of two (2) Rockwell RC415 positive displacement meters working off a Canadian Meter Company Reliance 2002 pressure regulator. The arrangement of this installation is depicted in the sketch on page 3 of this notice.

Location: Westlock, Alberta

Description of the measurement system is as follows:

<u>Main regulator:</u>	Reliance 2002- $\frac{1}{4}$ " main orifice, $\frac{1}{8}$ " pilot orifice
Load, max.	1000 S.C.F.H.
Inlet pressure	30-50 p.s.i.g.
Outlet pressure	10 p.s.i.g.
Inlet connection	$1\frac{1}{2}$ "
Outlet connection	$1\frac{1}{2}$ "

PFM Installation:

Meters	2 only, Rockwell RC415
Metering pressure	25 p.s.i.g. W.P.
Base pressure	10 p.s.i.g.
Average atmospheric pressure	13.87 p.s.i.a.
Pressure Correction Factor	13.62 p.s.i.a.
	<u>13.62 + 10.00 = 1.703</u>
	13.87

The PFM portion of this installation is subject to verification as required by Part VIII of the Departmental Instructions for Inspection Gas Meters and Auxiliary Devices.



D.L. Smith,  
Chief,  
Electricity and Gas Division.

c.c. Mr. F. Nash,  
District Inspector (E&G)  
Edmonton, Alberta

PLAINS WESTERN GAS & ELECTRIC CO. LTD.

PFM INSTALLATION AT WESTLOCK, ALBERTA

