

Consumer and
Corporate Affairs Corporation of
 corporations

Consumer
Standards
Directorate Direction
 générale
 des normes

OTTAWA, Ontario
K1A 0C9

February 15, 1978

G6665-E1

SPECIAL APPROVAL

Granted to: Deer Creek Co-op Utility
 Box 747
 Rimbey, Alberta
 T0C 2J0

Attention: Mr. George Irwin

Subject: Pressure Factor Metering for a
 Manifold Meter Installation

Special Approval has been granted by the Legal Metrology Branch to Deer Creek Co-op Utility for the use of pressure factor metering installation in conjunction with a second non-pressure factor metering installation consisting of four (4) Sprague Type 240 positive displacement gas meters where the inlet of each meter is equipped with a separate regulator. The arrangement of this installation is depicted in the sketch on page 3 of this notice.

Location: Deer Creek, Alberta

Description of the measurement system is as follows:

<u>Main regulator:</u>	Sprague CL31-3/16" orifice, black pilot spring
Load, max.	1600 S.C.F.H.
Inlet pressure	50-60 p.s.i.g.
Outlet pressure	10 p.s.i.g.
Inlet connection	3/4"
Outlet connection	1"

<u>PMF Installation:</u>	
Meter	Sprague 1000, 25 p.s.i.g. W.I.
Metering pressure	10 p.s.i.g.
Base pressure	13.46 p.s.i.a.
Average atmospheric pressure	13.21 p.s.i.a.
Pressure Correction Factor	$\frac{13.21 + 10.00}{13.46} = 1.724$

<u>Non-PMF Installation:</u>	
Meters	4 only, Sprague 240, 5 p.s.i.g. W.I.
Regulator at meter's inlet	4 only, 10 p.s.i.g. inlet, 4oz.s.i. outlet
Meters' Inlet pressure	4 oz.s.i.g.

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



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

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

DEER CREEK CO'OP UTILITY

PFM INSTALLATION AT DEER CREEK, ALBERTA

