

SPE-164

SE-85-2-2  
SL-100-882  
SL-100-SPE

OTTAWA, December 2, 1969.

SPECIAL APPROVAL

Granted to: Ontario Hydro Central Meter Shop,  
200 Kipling Avenue South,  
Toronto 18, Ontario.

Subject: Canadian Westinghouse Type "D2B-2F" Polyphase  
Watthour Meters converted from 60hz to 25hz.

Attention: All District Inspectors of Electricity and Gas  
in the Province of Ontario.

Special Approval has been granted by the Standards Branch for  
use in Canada for billing purposes to the above-noted converted meters.

These meters were originally rated at .25-10 amperes 120 volts  
60hz, and to convert them for use on 25hz, the original electromagnets  
were replaced by 240 volt 50hz electromagnets. A heavy copper shroud  
on both current poles provides the major part of the lagging, and an  
additional turn of wire with a soldered pigtail provides the power  
factor adjustment. Low load adjustment is by means of a turn of wire  
around one leg of the potential coil laminations.

To keep the starting watts low, the anti-creep holes in the  
disc are fitted with aluminum plugs.

This conversion procedure results in a meter having a disc  
constant of 2.0

These meters will be presented with either a register having  
a Kr of 100 and a dial multiplier of 2, or a register having a Kr  
of 50 and a dial multiplier of 1.

In both cases the multipliers to be applied to the register readings will be marked additionally on the nameplates.

To denote that these meters have been converted, an "x" will be stamped on the nameplates following the serial numbers.

This Special Approval letter cancels special approval letters covering similar conversions of specified meters of this type dated May 31, 1968 and November 13, 1969.

The serial numbers and locations of the meters covered by this special approval have not been listed as we understand Ontario Hydro wishes to make replacements periodically.

*W.J.S. Fraser*

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

WJ&F/ah

c.c. Mr. J. W. McKesh, Regional Manager, Toronto  
Mr. A. A. Percival, Central Meter Shop, Ontario Hydro