Department of consumer and corporate affairs / Ministère de la consommation et des corporations

SPE-256
1145-57/A150-131
SL-100-131
1145-4

OTTAWA, August 18, 1972

SPECIAL APPROVAL

Granted to: AEG - Telefunken
68 Yonge Street, Suite 708,
Toronto 215, Ontario.

Attention: Mr.H. J. Freymadl
AEG - Resident Engineer

Subject: Six Only - AEG Type "US750" Voltage Transformers
Voltage Ratings at 60 Hz 450,000-120/75-120/75-120/75 Volts
Ratios 3750/6000:1:1:1
Serial Numbers 83/71521, -522, -523, -524-
-525, -526

Special Approval has been granted by the Standards Branch for use in Canada for billing purposes, to the above-named apparatus.

These transformers are electromagnetic type, oil insulated for use on 765 Kv Grd Y, 60 Hz system with 450,000 volts applied across each cascade-connected primary winding.

Each transformer has three (3) tapped secondary windings producing secondary voltages of 120 and 75 volts with rated 450,000 primary volts.

Secondary terminals are marked X1, X2, X3, Y1, Y2, Y3 and Z1, Z2, Z3 respectively.

The lowest and highest suffix numbers indicate the full winding.

In all cases, the terminal with the lower suffix will have the same polarity as "H1".

Standards Branch
Direction des normes

X3, Y3 and Z3 are non-polarity common secondary terminals.

Terminals: X1-X3 = 120 volts, X2-X3 = 75 volts
Y1-Y3 = 120 volts, Y2-Y3 = 75 volts
Z1-Z3 = 120 volts, Z2-Z3 = 75 volts

These transformers were found to have the following accuracy ratings of 0.3ZZ on "X" winding, 0.3Z on "Y" winding and 0.3Z on "Z" winding } on both ratios

The nameplates are marked 0.3WXY^{Z},ZZ for the "X" winding and 0.6WXYZ for the "Y" and "Z" windings.

The above transformers may be loaded on either the full winding or the tap with a maximum of "ZZZ" (600 VA) burden distributed simultaneously as follows:

(1) "ZZ" burden on "X" winding and "Z" burden on either of the other two secondary windings, or

(2) "Z" burden on each of the three secondary windings.

These six (6) voltage transformers are for installation at Churchill Falls, Labrador, for use by the Churchill Falls (Labrador) Corporation.

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

c.c. D.I. of E&G, St. John's, Nfld.
Churchill Falls Corp. (forwarded through D.I.)

These transformers are for use by Manitoba Hydro.

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

c.c. Mr. J. Bileski, D.I. of E & G,
Winnipeg, Manitoba Hydro
(through Mr. Bileski)