



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



SPE-241

1145-57/C⁴S-T21
SL-100-758
SL-100-SPE

OTTAWA, March 3, 1972

SPECIAL APPROVAL

Granted to: Canadian ASEA Electric Limited,
3350 American Drive,
Malton, Ontario.

Subject: Three Only ASEA Type "CUFA220" Capacitor
Voltage Transformers 151800-138000-69/69-
69/69 volts 60Hz ratios 2000-1 and 2200-1
serial numbers 6262044-45-46

Attention: Mr. V. Zvarich, P. Eng.,
Assistant District Manager

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

These transformers are capacitor type with the capacitors
stacked vertically and insulated from each other by means of
porcelain insulators. The entire assembly is mounted on a
metal housing containing the intermediate voltage transformers
with its primary and secondary windings.

This special approval is valid only when the intermediate
voltage transformer is associated with the following capacitors
and their arrangement as given in the supplied drawings:

serial 6262044, capacitors 9.181/109, -/110, -/111, -/112,
-/113, -/114, -/115, -/116, -/118, -/117
in that order

serial 6262045, capacitors 9.181/119, -/120, -/121, -/122,
-/128, -/124 in that order

serial 62620456, capacitors, 9.181/129, -/130, -/131, -/132, -/133, -/134, -/135, -/136, -/138, -/137 in that order.

The above connections are shown in drawing K49831486.

The capacitors in the stacks are type CTOA 1/22 rated at 25.3/√3 kv.

The intermediate voltage transformers are type EOCD 24A with serial numbers as given on page 1 of this approval.

These intermediate voltage transformers are rated at 13.8-15.18kv; and each has two identical tapped secondary windings producing 60 volts from terminals X2-X3 and Y2-Y3 with 151800 primary volts and 69 volts from terminals X1-X3 and Y1-Y3 with 138000 primary volts due to the respective ratios of 2200:1 and 2000:1.

This approval is valid only for the following internal connections:

serial 80060 B11-B10-B8-B6; B5-B3; B4-B1; B2-H2 ground
serial 80061 B11-B10-B8-B6-B4-B2-H2 ground
serial 80062 B11-B10-B8-B6-B4; B3-B2; B1-H2 ground.

The approved accuracy rating of 0.6WXYZ-0.6WXYZ is marked on the nameplate and this applies to the "X" winding when the "Y" winding is either not loaded or loaded with "Z" burden and to the "Y" winding when the "X" winding is either not loaded or loaded with "Z" burden. This applies to both ratios.

These transformers are for use by Ontario Hydro at J. Clark Keith substation, Windsor, Ontario.

W. J. S. Fraser

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

c.c. Mr. J. Fleming, D.I. of E&G London
Ontario Hydro (through Mr. Fleming)