

SPE-0176

SPE-176

20-52-01
20-100-131
20-100-171

Orlando, May 1, 1970.

Technical Memorandum

Granted to: Mr. J. W. Genderson-Genderson Co,
1000 N. ...
Tampa, Florida.

Subject: 100/1000/1000/1000/1000/1000/1000/1000/1000/1000-
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Attention: Mr. J. W. Genderson,
1000 N. ...

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

These transformers are cast type, cast-filled with round bars marked with the "X" signifying that the winding at the top of the transformer and to which the primary connections are to be attached.

The primary winding is in 3 sections and links are provided by means of which 1, 2 or 3 sections can be connected to the primary terminals according to instructions on the nameplate.

Each transformer has 4 separate independent tapped secondary windings, one from each coil, brought to terminals on terminal blocks inside a terminal box at the base.

These windings are identified in the "W", "U", "Y" and "Z" windings with terminals marked W1-W4, U1-U4, Y1-Y4 and Z1-Z4.

The connections that are to be used in conjunction with the
shunt are to be constructed so that the desired ratio are set
out on the nameplate.

The 110 and 210 volt secondary windings are approved for metering
service and the 48 and 96 windings are intended to be used for relaying
service.

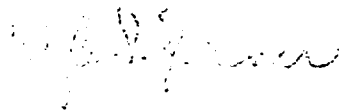
The approved metering accuracy ratings of the X and Y windings
for the various connections given on the nameplate are as follows:

Primary Current	Accuracy Rating
100 amperes	not approved
100 to 500 amperes	0.5, 0.1, 0.2, 0.5, 0.9; <u>1.0</u>
500 to 1000 amperes	0.5, 0.1, 0.2, 0.5, 0.9, 1.0, 1.5, <u>2.0</u>

The accuracy ratings marked on the nameplate are underlined.

As each secondary is independent, any one unused should be short-
circuited over the whole winding.

These transformers are for use by Manitoba Hydro Winnipeg, Manitoba.



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

c.c. Mr. A. H. Young, Chief of Staff, Winnipeg
Manitoba Hydro (through Mr. Young)