

SPF-0221

Department of Commerce and Corporate Affairs/Ministry of Labour and Industrial Relations/Corporations

SPF-0221

SPF-02-6
SPF-100-20
SPF-100-201

Ottawa, July 9, 1971

Mr. John G. ...

Forwarded to:
Nova Scotia Power Commission,
200, Cox YLU,
Halifax, N.S.

Attention: Mr. J. Henry, P. Eng.,
Project Engineer

Project: Four Day Steady State Test Indicator
Number 70 Hz Voltage CC 12

Special approval has been granted by the Standards Branch for use
in Canada in a similar application to the above-named apparatus.

This device was developed by driven by a synchronous motor and
was found to indicate the variation of the time that power is
applied to it. The constant in full hours and 0.1 hours, the latter will
be displayed on the first day.

Accuracy of the non-synchronous movement of the first day, the difference
between the true time and the indicator time can be as much as 3 minutes
depending upon the alignment of the magnets in the window.

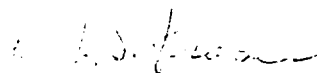
This device time indicator will be energized, when with one potential
coil of watt-hour meters, by a relay operated by a switch or a signal
at both so that together they will indicate the duration of the time and the
amount of energy that was consumed during the period the demand was in excess
of 20 megawatts.

The two parts of 20 megawatts indicated by the time in hours, megawatts
and energy consumed below the 20 megawatt level, and up to the maximum from
the lowest hour readings of the meters operated by the relay.

The design and indicator are for use in the Michoud Mine Plant at
Ottawa and the indication and the four basic Pump Substation by the above
mentioned power commission.

Six

One of the proposed time tables will be used in the 1971
Sector Fuel Substation in addition to the unit receiving special
approval under SPE-210 of April 13, 1971.



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

c.c. Mr. R. C. Bruce, Halifax.