



Consumer and
Corporate Affairs Canada

Consommation et
Corporation Canada

SPG-258

Consumer Standards
Directorate

Direction générale
des normes

OTTAWA, Ontario
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18 February 1980

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Our file / Notre référence

TEMPORARY SPECIAL APPROVAL

G 6635-S6-23

Granted to: Northwestern Utilities Limited
10540 - 112th Street
Edmonton, Alberta

Attention: Mr. Bill Vornbrock
Senior Measurement Engineer

Subject: Field Trial of Sprague Meter Division
Type 240 Temperature Compensated Meters
equipped with new "Servo Crank Mechanism"

Temporary special approval is hereby granted to Northwestern Utilities Limited, by the Legal Metrology Branch for the trial billing use of twenty-five (25) Sprague type 240 TC meters, equipped with a newly designed "servo crank mechanism".

These meters are similar to those approved under approval circular G-43, dated March 5, 1970, except that the normal tangent/crank assembly is replaced by the "servo crank mechanism". (Refer to attached photo). The function of the new design is to prevent valve sticking under unusually cold, gas-contaminated, low flow operating conditions, by momentarily lifting the valve cover off the valve seat allowing sufficient gas flow to prevent the pilot light from being extinguished. The trial testing will determine whether adverse effects on measurement accuracy result from the incorporation of the new mechanism.

The subject meters will have serial numbers 79-188145 to 79-188169 inclusive, and utility badge numbers will be 379971 to 379995 inclusive.

The manufacturer's nameplate, on each meter, will include the inscription: "model 240 SC", and a tag marked: "SC" will be attached to the top casting screw.

The special approval is subject to the following conditions:

1. All meters will be placed in service in the Edmonton area where previous problems were encountered.

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2. Each meter will be verified by Edmonton District Office prior to placement into service. Verification will be performed in accordance with procedures outlined in Departmental Instructions, Part IIA.
3. During service, all pilot light outages must be reported to the District Office.
4. On or about April 30, 1980, all meters will be removed from service and retested as in 2), above.
5. If results of tests from 4) are satisfactory, meters will be returned to similar service locations. If results are unsatisfactory, meters will be removed from service and returned to the supplier, effectively terminating the temporary special approval.
6. If meters from 4) are returned to service, they will again be monitored by the utility and any pilot light outages will be reported to the District Office.
7. On or about April 30, 1981, all meters will again be removed from service and retested as in 2), above. If test results are satisfactory, the field trial may continue, at the option of the utility, while general approval-of-type is considered. However, if results are unsatisfactory, the special approval will terminate and all meters will be returned to the supplier.
8. Results of all tests, including pilot light outages, shall be forwarded to the Legal Metrology Branch.



John Armstrong
Acting Chief
Electricity and Gas

cc: F. Nash
District Manager
Edmonton

D.T. Mitobe
Vice President/General Manager
Sprague Meter Company