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March 07, 2019

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2518038
Your Reference No.: R-1070
Registered to: SARNIA PIPING SPECIALTIES LTD

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H21178.5
Main Design No.: 1" CL 150 TEE & 1-1/2" X 1" CL 150 REDUCER
Expiry Date: 07-Mar-2029

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

See one sheet of attachment to Statutory Declaration for Scope of registration.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Kaivan Kia P. Eng., PMP
Mechanical Engineer, BPV
Tel. : 416-734-3457
Fax : 416-231-6183
Email : kkia@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



SPS

STATUTORY DECLARATION

Registration of Fittings

I, RICHARD FELTON, PRESIDENT

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of SARNIA PIPING SPECIALTIES LTD.

(Name of Manufacturer)

Located at 765 EVETT STREET, SARNIA, ONTARIO, N7S 5N3

(Plant Address)

1-800-355-1740

(Telephone No.)

(Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of CSA B51

_____ which has been verified by the following authority, TSSA

The items covered by this declaration, for which I seek registration, are category H - Tee and Reducer type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN, DRAWINGS, REPORTS

(drawings, calculations, test reports, etc.)

Declared before me at CITY OF SARNIA in the County of LAMBTON

the 19 day of FEB. AD 2019.

Commissioner for Oaths:

JAMES GARTH KOHLMEIER
(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H.

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

CRN: OH211785

Registered by: K. Kin

Dated: March 7/19

NOTE: This registration expires on March 7/2029

REGISTERED

CRN: OH211785

Signed: J. Kin

Date: March 7/19

See one sheet of attachment for scope. KK
3/7/19

SARNIA PIPING SPECIALTIES LTD.

765 EVETT STREET
SARNIA, ONTARIO
CANADA, N7S 5N3



22-Feb-19

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SCOPE OF CRN REGISTRATION

| Product Description | SPS Drawing No. | Design Code | Size Range NPS | Connections | Piping Material Specification | MAWP at MAWT (psig) (Note 2) | MDMT (F) | Report Number |
|---------------------|-----------------|-------------|---|----------------------------------|---|---|----------|---------------|
| Tee and Reducer | R-1070 | ASME B31.3 | Tee: NPS 1" Reducer: NPS 1-1/2" x 1" | ASME B16.5 Flanged CL. 150 | ASTM A105N C.Steel ASTM A234-WPB C.Steel | 285/FV psig at 100F 260/FV psig at 200F 230/FV psig at 300F 200/FV psig at 400F 170/FV psig at 500F | -20 | R-1070 |

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: Pressure-Temperature ratings in accordance with ASME B16.5 Table II-2-1.1 CL 150.

Note 3: Piping Corrosion Allowance is equal to 0.052" (1.3mm).

THIS IS PART OF
CRN 04211785-
Technical Standards & Safety Authority
 boilers & Pressure Vessels
Safety Program