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SAFETY INFORMATION BULLETIN: SB02-02 Rev. 2

Requirements for Manufacturers and Installers of Pressure Piping Parts and Systems

Scope

These requirements are provided for those applicants who wish to obtain a Technical Standards & Safety Authority (TSSA) Boilers and Pressure Vessels Safety Certificate of Authorization for the Manufacture or Installation of Pressure Piping Parts and Systems. An organization may qualify a program for Ontario only, by following the requirements described in this document. The issue of this Certificate of Authorization is available to companies and other organizations whose scope of business includes the manufacture or installation of pressure piping parts and systems that qualify in accordance with these rules.

This program satisfies the requirements of CSA-B51, Part 1.

Certification Process

Manufacturers, or installers of pressure piping parts and systems regulated under the Technical Standards and Safety Act and Ontario Regulation for Boilers and Pressure Vessels may apply to the TSSA Boilers and Pressure Vessels Safety for a Certificate of Authorization. Application forms may be obtained from TSSA or the TSSA website at www.tssa.org.

When an applicant has plants or shops in more than one location, the applicant shall submit separate applications for each plant or shop. The applicant may manufacture or install piping parts or systems in its plants, shops, or in the field, provided such operations are described in the applicant's quality program.

A holder of a TSSA Certificate of Authorization shall have and maintain a written quality program in the form of a quality control manual. The quality program may be brief or voluminous, depending on the circumstances. It shall be available for review by TSSA staff at any time.

The written quality program manual shall be submitted to the TSSA Boilers and Pressure Vessels Safety Program section in accordance with the requirements of the TSSA checklist for Accreditation of Manufacturers and Installers of Pressure Piping Parts and Systems. Copies of the manual shall be made available to TSSA in advance of a planned survey date.



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The applicant's facilities are subject to a survey of the quality program, which shall be demonstrated to the satisfaction of a TSSA Boilers and Pressure Vessels Safety survey team. This demonstration shall be performed on a work sample representative of the type of piping, or piping part, manufacture, or installation that the applicant intends to perform.

Upon acceptance of the quality program by a TSSA surveyor and payment of administrative fees, a Certificate of Authorization will be issued for a period of up to three years expiring on the anniversary of the date of the quality program survey.

Survey of Applicant's Facility

The TSSA Boilers and Pressure Vessels Safety Program survey team shall conduct an evaluation of the applicant's quality program at the shop or field site, except where the Simplified Review Process described below is applicable.

The applicant's organization shall demonstrate sufficient implementation of the quality program to provide evidence of the organization's knowledge of welding, non-destructive examination, post weld heat treatment and other repair or alteration activities performed, appropriate for the requested scope of work. The demonstration may be performed using current work, a demonstration mock up, or a combination of both.

A recommendation to issue, renew, or withhold the Certificate of Authorization will be included in the TSSA survey report which will be forwarded to the TSSA (see contact information) for review and approval. The TSSA reserves the absolute right to cancel, refuse to issue or renew such authorization where there is a valid reason for doing so.

The applicant shall have available for review the latest edition and addenda of the ASME B31.1, B31.3, B31.5, or CSA-Z7396.1 piping codes or other standards applicable to the TSSA Pressure Piping Certificate(s) of Authorization requested.

Simplified Review Process

Holders of:

- ASME "S", "A", "M", "U", "U2", "PP", "H", or "HLW" stamps
- CSA-B51 Certificates of Authorization to manufacture boilers and/or pressure vessels, or
- ISO-9000 current certificate holders with welding (ASME Section IX) and fabrication activities in their certificate scope

may apply for a Simplified Review Process. In this case the following requirements shall apply in addition to the other applicable details outlined in this document:

- An uncontrolled copy of the ASME, TSSA, or ISO-9000 accepted quality manual with a supplement, or addendum that addresses compliance with the applicable piping



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codes shall be submitted to TSSA (see contact information) for review along with a copy of a completed manual checklist.

- A survey of the applicant's facility is not required by the Simplified Review Process.
- A TSSA surveyor will perform a review and critique of the written program manual to ensure all applicable requirements have been addressed. Deficiencies shall be corrected by the applicant to the satisfaction of the TSSA surveyor performing the manual review and critique.
- TSSA shall issue a separate Certificate of Authorization for piping fabrication to successful applicants under this process.
- Fees will be charged based upon time spent on manual review, certificate preparation and TSSA administrative costs associated with maintenance of the program.

Renewal of Certificate

The Certificate of Authorization is renewable before the expiry date subject to a further survey and acceptance of the quality program by a designated representative of the TSSA Boilers and Pressure Vessels Safety. Application for renewal shall be made at least three months prior to the expiration date of the Certificate of Authorization.

Changes to Requirements

The TSSA may at any time make changes to the rules for the issue of Certificates of Authorization. Such changes to the rules shall become binding on all certificate holders.

For further information contact:

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