

Pressure Piping Registration Submission Package Checklist

Information Paper IP-2016-07-05

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1. Scope

This checklist provides an overview of the information that shall be provided with a submission for the registration of a pressure piping design.

2. Additional Reference Material

Refer to [Application for the Registration of a Pressure Piping Design](#) flowchart which may be used in conjunction with this checklist and Information Paper:

- [IP-2016-07-02 Application for the Registration of a Pressure Piping Design Using a Single Submission Package](#);
- [IP-2016-07-03 Application for the Registration of a Pressure Piping Design Using Multiple Submission Packages](#); or
- [IP-2016-07-04 Application for the Registration of a Skid Design](#).

3. Required Components of the Application

- A completed application on the TSASK Design Portal [Home - Design Registration System](#)
- A completed [TSK-1003 General Engineering Requirements for Design and Construction of Pressure Piping Systems](#) form
- P&IDs
- Line list
- Piping design calculations for piping made of non-metallic materials
- List of pressure relief devices to be used in the pressure piping system, stating their capacities and set pressures
- Piping Material Specification(s) or TSASK issued piping materials specification registration number
- A detailed description of the pressure test/leak test procedure (depending on Code of Construction) if different from the procedure within the QMS/QCP manuals
- Pneumatic test procedure and calculations of stored energy and safe distance (for pneumatic testing within Saskatchewan)
- A list of CRNs of newly installed pressure equipment that are connected to, or used in connection with, the pressure piping to be registered
- A signed letter from the owner of the pressure piping system acknowledging specific lines designated as **Category D** fluid service if applicable
- A signed letter by the owner justifying the use of a closure weld (if closure weld is required and permissible)
- Ultrasonic Study report of current piping thicknesses (for used piping)

4. Additional Remarks

4.1. Professional Engineer Requirements

The TSK-1003 form, line list and every page of the drawing(s) submitted for registration must be dated, stamped and signed by a professional engineer, as defined in *The Engineering and Geoscience Professions Act*, who holds a valid license pursuant to that Act. The aforementioned documents shall be dated. In addition, all letters of declaration and justification as well as calculations required for non-metallic piping, stored energy and safe distances shall be stamped, signed and dated by a professional engineer.

4.2. Drawings

The drawings shall be complete enough that, without having to assume anything, one could use the submitted drawings and specifications to build the exact same piping system and have it meet the code.

4.3. Line List

The line list, at a minimum, shall include: line number, pipe size and schedule/thickness, design pressure, maximum design temperature, MDMT, piping material specification reference, corrosion allowance, type and extent of NDE, test pressure, test medium, flange rating, PWHT information, fluid service (ASME B31.3), BEP or NBEP (if applicable).

The line list shall be a controlled document, complete with document number and revision level.

4.4. Letter of Acknowledgement and/or Justification

The letter of acknowledgement and/or justification must be written on the owner's letterhead and signed by the owner.

4.5. Additional Information Requirement

The design reviewer may require additional information to ascertain that the design is suitable for registration so ensure contact information is clear.

5. Additional Information & Questions

5.1. Design of Pressure Piping Systems Inquiries

If possible, applicants should contact their Design Reviewer directly with questions. Be sure to include the TSASK reference number or provide enough detail that the Design Reviewer will know which application is being referenced.

For all other design inquiries, please contact TSASK Codes & Standards Compliance:

- By email at info@tsask.ca ;
- By phone at (866) 530-8599. Please ask to speak to either a TSASK Design Reviewer or the Manager, Codes & Standards Compliance; or
- Visit the TSASK website at www.tsask.ca for more information.