

BOILER INSTALLATION PERMIT APPLICATION

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Note: The information on this form is collected to administer the provisions of the BC Safety Standards Act and section 26 of the Freedom of Information and Protection of Privacy Act. If you have questions about the collection, use, or disclosure of this information, contact the Records, Information & Privacy Analyst at 1 866 566 7233.

PERMIT NUMBER: BPV- _____ - _____

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| A: Permit Work Class (please choose only one option): | | | | | | |
| Hot Water Boiler <input type="checkbox"/> | | Potable Hot Water Boiler <input type="checkbox"/> | | Thermal Fluid Boiler (Eg: Oil) <input type="checkbox"/> LP or <input type="checkbox"/> HP | | Steam Boiler <input type="checkbox"/> LP or <input type="checkbox"/> HP |
| B: APPLICANT CONTACT INFORMATION | | | | | | |
| Contractor Name: <i>(as shown on the contractor license)</i> | | | | Contractor License #: LBP _____ License type <input type="checkbox"/> A <input type="checkbox"/> B | | |
| Email address: <i>(mandatory)</i> | | Contact Name/Phone #: <i>(mandatory)</i> | | Preferred method of contact: Email <input type="checkbox"/> Mail <input type="checkbox"/> | | |
| C: SITE / PLANT INFORMATION | | | | | | |
| Site /Plant Name: | | | | Plant Number: | | |
| Contact Name: | | Contact Email: | | Contact Phone #: | | |
| Address: | | | City: | Postal Code: | Province: | |
| D: OWNER INFORMATION (only if different than contact info provide for the site / plant) | | | | | | |
| Company Owner Name: | | | Contact Name: | | | |
| Mailing Address: | | | City: | Postal Code: | Province: | |
| Contact Phone | Office: _____-_____ | Mobile: _____-_____ | Contact Email: | | | |
| E: ADDITIONAL INSTALLATION INFORMATION | | | | | | |
| Proposed Date of Installation: MM DD YYYY | | | | | | |
| Piping Design Registration Required? <input type="checkbox"/> NO | | <input type="checkbox"/> YES Please provide Piping Design Registration: _____ | | | | |
| Code of Design | Max. Temperature | Max. Pressure | Max. Diameter & Pipe Schedule | Material Specifications | | |
| New Equipment <input type="checkbox"/> | | Replacement Equipment <input type="checkbox"/> | | | | |
| Commercial <input type="checkbox"/> | | Industrial <input type="checkbox"/> | | Institutional <input type="checkbox"/> | | Residential (> than 4 units) <input type="checkbox"/> |
| F: DETAILS: | | | | | | |
| # of Units | Manufacturer | Year Built | CRN # (mandatory) | Serial # | Capacity <input type="checkbox"/> Btus/hr <input type="checkbox"/> Lb/hr | Heating Surface <input type="checkbox"/> m2 <input type="checkbox"/> KW |
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| G: DECLARATION | | | | | | |
| <input type="checkbox"/> I hereby declare all information provided is accurate; incorrect information may result in the retraction of the associated permit <input type="checkbox"/> The contractor agrees to pay on demand any shortages or extra charges for inspection towards equipment indicated herein in accordance with the Technical Safety BC Boiler & Pressure Vessel fee schedule (http://www.technicalsaftybc.ca/boiler-pressure-vessels-fee-schedule) <input type="checkbox"/> The contractor agrees to follow terms & conditions attached to this installation permit (refer to back page). <input type="checkbox"/> The contractor agrees, after completion of work, to submit to Technical Safety BC Boiler And Refrigeration Inspection Declaration Form 1449 <input type="checkbox"/> Checking this box and submitting this form to Technical Safety BC via email constitutes your authorization. This has the same effect as submitting a handwritten signature. | | | | | | |
| Licensed Contractor Representative's Name: _____ | | | | Signature: _____ | | Date: _____ |
| F: FEE DECLARATION (See Technical Safety BC Website for Current Fee Schedules at www.technicalsaftybc.ca) GST #: 87391 2802 RT0001 | | | | | | |
| Number of Units <input type="checkbox"/> X Fee = \$ _____ | | | | | | |

BOILER INSTALLATION PERMIT AND PIPING DESIGN REGISTRATION REQUIREMENTS

1) No boiler installation permits are required for:

- a) Any pressure vessel
- b) Power plant with a boiler or assembly of boilers which has a total heating surface area of 2 m² or less
- c) Any heating or low pressure thermal fluid plant with a boiler or assembly of boilers which has a total heating surface area of 3 m² or less
- d) A heating plant that has no valves or other obstruction to prevent circulation of fluid between the boiler and an expansion tank that is fully vented to the atmosphere
- e) A heating plant with a boiler or assembly of boilers other than plants with toxic or flammable contents that are located in a building that contains only 4 or fewer self-contained residential units
- f) Any potable water heater with a heat input of 120 kW (400,000 Btu/hr.) or less

2) Boiler installation permits are required when any of the limits listed below are exceeded:

- a) Power plant with a boiler or assembly of boilers which has a total heating surface area more than 2 m²
- b) Any heating or low pressure thermal fluid plant with a boiler or assembly of boilers which has a total heating surface area more than 3 m²
- c) Any power plant, heating or low pressure thermal plant, or potable hot water boiler located in a building that contains more than 4 self-contained residential units
- d) Any potable water heater with a heat input more than 120 kW (400,000 Btu/hr.)

3) Boiler installation permits Terms & Conditions:

- All installations must be performed by a Licensed Boiler Contractor
- Contractor is to notify the area Boiler Safety Officer prior to commencement of any regulated work
- Contractor, when ready for inspection, is to submit to Technical Safety BC form FRM-1149-00 (2013-04-15 "**Boiler, Pressure Vessel and Refrigeration Inspection Declaration**" (<https://www.technicalafetybc.ca/form/boiler-and-refrigeration-inspection-declaration-form-1449>))

4) Piping design registration are required for:

- Any Power Plant with a boiler or assembly of boilers which has a total heating surface area more than 2 m² and piping system greater than NPS 3
- a) *Permits for boiler plants which require piping design registration are issued at the Technical Safety BC Head office only*
- b) *Permits for boiler plant installations which **do not** require piping design registration may be issued at **any** Technical Safety BC regional office <http://www.technicalafetybc.ca/contact/offices-across-bc>*

Definitions (as described in the Safety Standards Act & Regulations):

- Power Plant: High pressure steam plant or high pressure thermal fluid plant or a high temperature high pressure fluid plant.
- High pressure Thermal Fluid Plant: All thermal fluid plants except low pressure thermal fluid plant.
- High Temperature High Pressure Fluid Plant: In which liquid is heated to a temperature greater than 121°C (250°F); or liquid is contained at a pressure greater than 1 103 kPa (160 Psig).
- Low Temperature Low Pressure Fluid Plant: In which liquid is heated at a working pressure of 206 kPa (30 Psig) or less and a temperature of 98.9°C (210°F) or less.
- Heating Plant:
 - a) a boiler in which steam or other vapour may be generated at a pressure not exceeding 103 kPa (15 Psig), or
 - b) a boiler, other than a low-temperature, low-pressure boiler, in which water or an aqueous solution may be heated to a pressure not exceeding 1 103 kPa (160 Psig) or a temperature not exceeding 121°C (250°F)
- Water Heater: Potable hot water at pressures not exceeding 1103 kPa (160 Psig) or temperature not exceeding 98.9°C (210°F)
- High Pressure Steam: Steam pressure greater than 103 kPa (15 Psig)
- Low Pressure Steam: Steam pressure not more than 103 kPa (15 psig)