

GUIDE FOR COMPLETING APPLICATION FOR PERMIT TO INSTALL

Only one application is required for each site that multiple boilers, water heaters or pressure vessels are to be installed, along with an attachment A or B as appropriate for each vessel you are applying for. Applications shall be submitted to the Chief Inspector at least 60 days prior to the start of the installation. In case of an emergency replacement as defined below, the application shall be submitted to the Chief Inspector as soon as possible but no more than 7 calendar days after the work has started. All applications must be submitted by mail along with the appropriate fees per 11CSR 40-2.025. Failure to provide fees or required information may delay the processing of your application.

Supporting Documents

Documents such as diagrams, blueprints, sketches, job description etc. may be attached to the application. It is recommended that at minimum a hand drawing of the room showing the location of the object(s), entrances and locations of emergency shut-off switches be provided.

- 1) Dates- Provide estimated date for start and completion of work.
- 2) Estimated start and completion dates.
- 3) a) Location Address- All information for the physical location that the object is to be installed. (P.O. Boxes are not allow in this section)
b) Insurance Information- Indicate if the location is covered by boiler/mechanical insurance and operating certificate inspections are performed by a Special Inspector (Insurance inspector). If unknown state same.
c) Type of Business- Manufacturing Plant, Retail, Auto Service, etc.
- 4) Owner Address- If same as location check block, if not complete the owner/user address information for the location the object being installed. (P.O. Boxes are acceptable)
- 5) Billing Address- If same as location or owner address check block, if not complete the billing address information for the owner/user of the object being installed. (P.O. Boxes are acceptable)
- 6) Installer Information- Complete for company who is physically installing the object, even if this is being installed by the owner/user.

Attachment A

An Attachment A must be completed for each boiler and water heater to be installed at the site. Fees are per vessel.

- 1) Permit Action Applying for:
 - a) New Installation-Includes all boilers, water heaters or pressure vessels constructed, installed, placed in operation, or under contract on or after January 1, 2008. This includes replacement vessels.
 - b) Second Hand Installation- A boiler, water heater or pressure vessel which will change both location and ownership.
 - c) Re-Installation- A boiler, water heater or pressure vessel removed from its original setting and reinstalled at the same location or at a new location without change of ownership.
 - d) Emergency Installation- The unplanned replacement of a boiler, water heater or pressure vessel due to failure.

- 2) Category of Boiler/Fired Pressure Vessel To Be Installed:
 - a) High Pressure Steam- A boiler in which steam or other vapor is generated at a pressure of more than 15 psi.
 - b) High Pressure – High Temp Hot Water- A boiler in which no steam is generated, from which hot water is circulated at pressures in excess of one hundred sixty psi and/or temperatures in excess of two hundred fifty degrees Fahrenheit for heating purposes and returned to the boiler.
 - c) Low Pressure Steam-A steam or vapor boiler operating at pressures not exceeding fifteen psi.
 - d) Hot water boiler- a boiler completely filled with water and which operates at a pressure not exceeding one hundred sixty psi and/or temperatures not exceeding two hundred fifty degrees Fahrenheit, from which hot water is circulated for heating purpose and returned to the boiler or to be used external to itself. (this includes but is not limited to vessels known as pool heaters, hot water heating boilers, circulating water heater, water-tube type water heaters and instantaneous water heaters)
 - e) Fired Storage Water Heater- A fired pressure vessel which has a water storage area, in which water is heated electrically, or by the combustion of solid, liquid, or gaseous fuels and withdrawn for use external to the heater at pressures not exceeding on hundred sixty psi and temperatures not exceeding two hundred ten degrees Fahrenheit. (this includes vessels know as service water heaters, domestic water heaters and potable water heaters)
 - f) Pool heater – A fired pressure vessel in which water is heated electrically, or by the combustion of solid, liquid, or gaseous fuels and withdrawn for use external to the heater at pressures not exceeding on hundred sixty psi and limits the temperature going to the pool or spa to 108 degrees Fahrenheit.

- 3) Use of Boiler/Fired Pressure Vessel to be Installed: Self explanatory.
- 4) ASME Stamp of Vessel To Be Installed. Check the appropriate box for the ASME code symbol that will be on the vessel you are requesting the installation permit for. If unknown, check with your supplier to get correct ASME stamp for the vessel you plan on installing. Provide the burner input for the vessel and indicate unit of measurement.
- 5) Manufacturer's Data Report: Must be obtained from the manufacture of the vessel. These forms are normally supplied by the manufacture at time of shipment of the vessel. If data report in not supplied with application the MAWP (maximum allowable working pressure of the vessel to be installed must be provided.
- 6) Plant Location: Exits and Ventilation: Self explanatory. It is recommended that a drawling of the room showing the location of the vessel in conjunction with clearances to the nearest obstructions be provided.
- 7) Clearance: The measurements from the vessel to be installed to the nearest obstructions.
- 8) Vessel Dimensions: Self explanatory, if unknown cut sheets can be obtained from the manufacturer or supplier of the vessel.
- 9) Controls and Safety Devices: Self explanatory and may be obtained from the manufacture of the vessel. CSD-1 reports must be supplied for vessels that fall with in the scope of this standard before an operating permit may be issued.
- 10) Electrical – Self explanatory.

Attachment B

Attachment B must be completed for each pressure vessel to be installed at the site. Fees are per vessel

- 1) Permit Action Applying for:
 - a. New Installation-Includes all boilers, water heaters or pressure vessels constructed, installed, placed in operation, or under contract on or after January 1, 2008. This includes replacement vessels.
 - b. Second Hand Installation- A boiler, water heater or pressure vessel which will change both location and ownership.
 - c. Re-Installation- A boiler, water heater or pressure vessel removed from its original setting and reinstalled at the same location or at a new location without change of ownership.
 - d. Emergency Installation- The unplanned replacement of a boiler, water heater or pressure vessel due to failure.

- 2) Use of Pressure Vessel to be Installed: State use of the pressure vessel ie. compressed air, refrigeration, hot water storage, etc. Give maximum allowable working pressure of vessel to be installed.
- 3) ASME Stamp of Vessel to be Installed. Check the appropriate box for the ASME code symbol that will be on the vessel you are requesting the installation permit for. If unknown, check with your supplier to get correct ASME stamp for the vessel you plan on installing. Give the specific location the vessel will be installed. Check the appropriate box for the manufactures data report. The Manufacturer's Data Report: Must be obtained from the manufacture of the vessel. These forms are normally supplied by the manufacture at time of shipment of the vessel.
- 4) Clearance: The measurements from the vessel to be installed to the nearest obstructions.
- 5) Vessel Dimensions: Self explanatory, if unknown cut sheets can be obtained from the manufacturer or supplier of the vessel.
- 6) Vessel Capacity: Total storage capability of vessel.
- 7) Energy Source: Source of energy for the contents of the vessel, ie. Two hot water boilers/ air compressors, etc.
- 8) Total Input: Total input from all energy sources listed above.
- 9) Safety Valves: List all safety/burst valve information if known.

Fees (11 CSR 40-2.025)

(A) Plan Review Hourly Fee \$ 35

(B) Installation Permit Fees—

1. Hot Water Heating Boiler—

A. 400,000 BTUH and less \$ 70

B. Greater than 400,000 BTUH
but less than 12,500,000
BTUH \$175

C. 12,500,000 BTUH and
above \$245

**2. Hot Water Supply Boilers,
Circulating Water Heaters,
and Pool Heaters—**

A. 400,000 BTUH and less \$ 70

B. Greater than 400,000 BTUH
but less than 12,500,000
BTUH \$175

C. 12,500,000 BTUH and
above \$245

3. Fired Jacketed Steam Kettles \$ 70

4. Power Boilers—

A. 400,000 BTUH and less \$ 70

B. Greater than 400,000 BTUH
but less than 12,500,000
BTUH \$175

C. 12,500,000 BTUH and
above \$245

5. Pressure Vessel—

A. 1,000 cu.ft.

(7,500 gallons) or less \$ 70

B. Greater than 1,000 cu. ft. \$175

C. Compressed air receivers
including tank mounted air
compressors designed to
operate at 250 psi or less
and having a volume of 250
gallons or less \$ 25

D. Carbon Dioxide Storage
Vessels used solely for
carbonated beverage
systems \$ 25

6. Steam Heating Boilers—

A. 400,000 BTUH or less \$ 70

B. Above 400,000 BTUH but
less than 12,500,000
BTUH \$175

C. 12,500,000 BTUH and
above \$245

7. Fired Storage Water Heaters

(Above 200,000 BTUH or
120 gallons) \$ 70