



Permit information for Boiler, Furnace, AC/Refrigeration, and Power Piping Installations

809 N. Broadway, 1st Floor / Milwaukee, WI 53202-3617 / 414-286-8211

Use the Development Center alterations permit form to apply for permits for air conditioning/refrigeration systems, furnaces, boilers, unfired pressure vessels, power and large refrigeration piping installations, boiler or pressure vessel repairs, and electronic monitoring of boilers. Please include the following information about the project on the permit application.

Air conditioning/refrigeration systems

- 1) Manufacturer
- 2) Rated capacity in tons/BTUs
- 3) Efficiency rating (SEER)
- 4) Model number of compressor
- 5) Model number of evaporator
- 6) Location of compressor

For large installations over 10 tons, include the following:

- 7) Quantity of refrigerant in pounds or kg.
- 8) Purpose of equipment (HVAC, manufacturing, process)
- 9) Type of system (self-contained, direct, indirect)
- 10) Refrigeration installer registration number (Ref: COMM 45.30)
- 11) Refrigerant (R-11, R-22, etc.)

Furnaces

- 1) Manufacturer
- 2) Rated capacity in BTU/hr
- 3) Efficiency rating (AFUE)
- 4) Model number furnace
- 5) Location of installation

Boiler installation/replacement

- 1) Manufacturer and model number
- 2) Steam or hot water
- 3) Fuel input in BTU/hr of MBh
- 4) Type of boiler (firetube, watertube, cast iron, other)
- 5) Maximum allowed pressure for unit
- 6) Copy of "Manufacturer's Data Report" for boiler if available
- 7) Location of installation

Unfired pressure vessels

- 1) Manufacturer
- 2) Model number/ASME number
- 3) Use of vessel

- 4) Size of vessel in **cubic** feet
- 5) Maximum pressure allowed
- 6) Copy of "Manufacturer's Data Report" for vessel
- 7) Location of installation

Power and large refrigeration piping installations *(Approval required by boiler and mechanical safety section, Milwaukee Dept. of Neighborhood Services)*

- 1) Pipe size and length
- 2) Description of system
- 3) Location of installation
- 4) System working pressure
- 5) Steam or refrigerant type
- 6) Include with submittal: material specifications, welder's qualification and tests, one line drawing of installation, installation schedule

Boiler or pressure vessel repairs requiring permit *(Approval required by boiler and mechanical safety section, Milwaukee Dept. of Neighborhood Services)*

- 1) Description of vessel
- 2) Type of repair
- 3) Welder's qualifications and tests
- 4) Manufacturer of vessel being repaired
- 5) Model number/ASME number
- 6) Maximum pressure allowed

Electronic monitoring of boilers

(Approval required by boiler and mechanical safety section, Milwaukee Dept. of Neighborhood Services)

- 1) Boiler manufacturer
- 2) State registration number
- 3) List all control equipment to be monitored (low water, high pressure, flame failure, power failure, etc.)

Rvsd 031008