



The Boiler and Pressure Vessel Safety Inspection Unit is responsible to ensure that all boilers and pressure vessels are inspected in accordance with The Maryland Boiler and Pressure Vessel Safety Act and Regulations. This responsibility involves Inspection for proper construction, installation, maintenance, use, repair and inspection.

The Law also requires that any boiler or pressure vessel that will be installed in Maryland be built to the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, and be registered with the National Board of Boiler and Pressure Vessel Inspectors. The Law requires that boilers and pressure vessels be inspected annually or biennially (every two years) depending on the type of equipment.



### **Boiler Safety Inspection**

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Learn more about Boiler safety in Maryland by logging onto:  
[www.dllr.maryland.gov/labor/safety/boil.shtml](http://www.dllr.maryland.gov/labor/safety/boil.shtml)

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## **Maryland Boiler Safety:**

### **High Pressure Boilers**



*Our mission is to inspect boilers and pressure vessels in order to reduce danger to the public.*

## Inspection Overview:

A high pressure boiler contains enough energy to cause violent destruction if misused. A high pressure boiler can be a power boiler creating steam or other vapor at more than 15 psig, or a high pressure, high temperature water boiler, operating at more than 160 psig or 250 degrees Fahrenheit.

A high pressure boiler shall be inspected annually by an inspector commissioned by the National Board and by the Commissioner of Labor and Industry, and employed by Authorized Inspection Agency (AIA). There are approximately 20 AIAs in Maryland. Please refer to [www.maryland.gov/forms/boilersaialist.pdf](http://www.maryland.gov/forms/boilersaialist.pdf).

The owner shall contract with an AIA, which may be an insurer or non-insurer. If the object is insured, then the insurer shall inspect.

## When Working with or around a Boiler, DO NOT:

- Operate a boiler which is not constructed in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code.
- Operate a boiler unless it is equipped with a safety valve with sufficient relieving capacity, set at or below the maximum allowable working pressure.
- Bypass the pressure controls, temperature controls, low water cutout, flame safety or any other limit switch or control.
- Restrict the function of a safety valve, such as by reducing or plugging the outlet or inlet, painting or removing it.
- Leave the boiler room unattended.
- Permit unqualified personnel to operate a boiler. Maryland Stationary Engineers License is required over 30 boiler horsepower capacity.
- Operate a boiler without an adequate source of combustion air.
- Operate a boiler without a valid Certificate of Inspection issued by Safety Inspection Unit
- Store flammables in the boiler room.

## When Working with a Boiler, ALWAYS:

- Respect the boiler; it can be dangerous.
- Have the boiler inspected internally annually, as required by state law.
- Report to the chief boiler inspector in writing at least thirty (30) days prior to installation.
- Test safety devices on a periodic basis (as recommended by CSD-1 or NFPA 85) and log the tests.
- Inspect the boiler daily for proper operation.
- Allow only authorized (“R” stamp holder) repair firms to make weld repairs. For a list of firms, please log onto: [www.nationalboard.org/](http://www.nationalboard.org/) and select tab labeled “Data Report Registration”, then select Manufacturer and Repair Director.
- Keep your boiler room clean.
- Keep a check on leakages and rectify without delay.
- In an emergency, remain calm and use the emergency devices.
- In case of fire, operate Emergency Shut Off Switch.
- Maintain a log of boiler operations, maintenance, repairs, and tests.
- Keep the boiler room ventilated.

**Boilers and Pressure Vessel Installers shall notify the Chief Boiler Inspector in writing at least thirty (30) days prior to installation.**

