

Boiler Operator Information – City of Milwaukee

Overview

The Milwaukee Code of Ordinances lists the requirement for a licensed Boiler Operator in 223-9

<https://city.milwaukee.gov/CH223.pdf>

A person must have a City of Milwaukee Stationary Engineers Permit to Operate in order to operate steam boilers with a capacity greater than 30 Boiler Horse Power (BHP). One BHP is 33,478 BTU/hr so a 30 BHP boiler is a boiler with a heat output of 1,004,340 btu/hr.

This requirement applies to low pressure steam boilers (steam pressure 15 psi or less, ASME Section IV) and high pressure steam boilers, steam engines, and steam turbines (steam pressure greater than 15 psi, ASME Section I).

The Boiler Operator requirement does not apply to 1-2 family dwellings, hot water heating boilers or locomotives used in interstate commerce.

Obtaining a New Stationary Engineer Permit to Operate

In order to obtain the City of Milwaukee Stationary Engineer Permit to Operate, a Boiler Operator must have a current boiler operator license from the American Society of Power Engineers (ASOPE) or the National Institute for the Uniform Licensing of Power Engineers (NIULPE).

Permit to Operate Classifications

Any person holding a NIULPE or ASOPE license may apply for a City of Milwaukee Stationary Engineer Permit to Operate. The below table lays out the City of Milwaukee Permit to Operate classifications as they correspond to the different possible licenses and the equipment that may be operated:

City of Milwaukee	NIULPE Type	ASOPE License Type	Boiler Plant Types & Capacities *
Low Pressure Boiler Operators Permit	5 th Class License	Facility Operating Engineer 3 rd Class License	Low pressure boilers greater than 30 BHP, up to 150 BHP output.
Fourth Class Stationary Engineers Permit	4 th Class License	Facility Operating Engineer 2 nd Class License	Low pressure boilers greater than 150 BHP output. High pressure boilers greater than 30 BHP, up to 110 BHP output.
Third Class Stationary Engineers Permit	3 rd Class License	Power Plant Operating Engineer 3 rd Class License	High pressure greater than 110 BHP, up to 400 BHP output.
Second Class Stationary Engineers Permit	2 nd Class License	Power Plant Operating Engineer 2 nd Class License	High pressure greater than 400 BHP, up to 600 BHP output.
First Class Stationary Engineers Permit	1 st Class License	Power Plant Operating Engineer 1 st Class License, (also Chief & Master Chief)	High pressure greater than 600 BHP.

* See Milwaukee Code of Ordinances Chapter 223 for complete definitions of the different Plant Classifications

A current ASOPE or NIULPE license should be brought to the City of Milwaukee Boiler Section (Zeidler Municipal Building, 841 N Broadway, 10th Floor East, 53202) along with a fee of \$30.48 (checks can be made out to "City of Milwaukee"). A Stationary Engineer Permit to Operate will be issued to the boiler operator. This certificate will expire at the same time as the ASOPE/NIULPE license and both will need to be renewed annually.

Renewing an Existing Stationary Engineer Permit to Operate

Every fall the City of Milwaukee mails out the annual renewal invoices to all Stationary Engineers with an active city permit to operate. The operator should mail back the following:

- Bottom portion of the renewal invoice
- A copy of the ASOPE or NIULPE license that expires the next year
 - The operator will need to work with the ASOPE or NIULPE licensing office to obtain the renewed license for the next year
- A check made out to the 'City of Milwaukee' in the amount of \$30.48 (fees subject to change, always refer to the fee listed on the invoice)

Upon receipt of this information, the renewal will be processed and a Stationary Engineer Permit to Operate will be mailed to the Boiler Operator. If the information received is incomplete a letter will be mailed to the Boiler Operator explaining what additional information is required.

If you lose your invoice, call (414) 286-2561 and ask for a replacement invoice to be mailed out.

Updating Contact Information

Contact the City of Milwaukee Boiler Section at (414) 286-2561 to update a Boiler Operator's mailing address, listed phone number or listed email address.

Obtaining a Boiler Operator License

There are a number of ways to obtain a Boiler Operator License. Below is a list of options in the Greater Milwaukee Area, this list is not prescriptive and it may be incomplete.

Milwaukee Area Technical College (MATC) (include link: <http://www.matc.edu/tas/diplomas/power-engineering.cfm>)

MATC offers a Boiler Operator Certificate program and a Power Engineering Technical Diploma program.

Students that successfully complete these programs have an opportunity to take the ASOPE licensing exam.

Contact the program for information on registering for stand-alone classes and opportunities to take the exam.

Milwaukee Board of Examining Engineers

The Milwaukee Board of Examining Engineers is a Regional chapter of the American Society of Power Engineers (ASOPE). They offer exams monthly. Information about applying for the exam and other policies can be found here: <https://city.milwaukee.gov/BoilerLicenseInforma3690.htm>

Local 420 – International Union of Operating Engineers

Local 420 conducts training classes on a regular basis. These classes are held at the union office and are available to members and to the public. <http://www.local420oe.com/>

Other Resources

Milwaukee Code of Ordinances, Chapter 223: Boilers <https://city.milwaukee.gov/CH223.pdf>

American Society of Power Engineers (ASOPE) website: <http://www.asope.org/>

National Institute for the Uniform Licensing of Power Engineers (NIULPE) website: <http://www.niulpe.org/>

Boiler Log Sheet (EXAMPLE) <https://city.milwaukee.gov/exampleboilerlogsheet>