

BOILER INSPECTOR I

Department of Neighborhood Services

Promotion to Boiler Inspector II is possible after 2 years of successful experience as a Boiler Inspector I.

THE PURPOSE: A Boiler Inspector for the City of Milwaukee periodically conducts inspections of new and existing boilers and pressure vessels internally and externally to ensure compliance with applicable codes; investigates complaints for violations of city ordinances and zoning codes; examines and approves HVAC plans and issue permits; and facilitates resolution of complex issues related to HVAC systems.

ESSENTIAL FUNCTIONS:

- ◆ Conduct periodic inspection of boilers, pressure vessels, refrigeration systems, and air conditioning systems and their associated piping, instruments, fittings and controls.
- ◆ Conduct inspections of new heating, ventilating and air conditioning systems (HVAC), boilers, pressure vessels, and refrigeration systems for compliance to applicable codes.
- ◆ Review and process HVAC permit applications and plans. Review permit applications, provide code assistance and issues permits.
- ◆ Communicate effectively with public and professionals on HVAC codes, issues and inquiries; prepares, maintain and process city forms and records; and enforce code requirements through written orders and court testimony regarding HVAC and zoning code violations.
- ◆ Conduct research, evaluate technical materials and write reports for boards, commissions and department personnel. Provide investigation, research, advice and written reports on code and ordinance issues upon request from supervisors, aldermen or the public. Identify improvements and changes needed in ordinances and code provisions and draft suggested changes for review.
- ◆ Conduct training classes for department staff on code development and inspection skills. Act as team leader for technical and administrative employee teams for inspections, policy, and code development.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Bachelor's degree in Engineering from an accredited college or university AND one year of work experience (within the last ten years) associated with boilers and pressure vessels in the work experience categories listed below.
 - OR -
 - a) Associate's Degree with a major in science, mathematics or engineering from an accredited college
 - b) Bachelor's Degree with a major in science or mathematics from an accredited college or university
 - c) First Class Power Engineer's Certificateand
three years of work experience (within the last ten years) associated with boilers or pressure vessels in the work experience categories listed below.

- OR -

A high school education (12 years or equivalent educational system) and 4 years work experience as a journeyman boiler maker, steam fitter, or plumber (within the last ten years) associated with boilers or pressure vessels in the work experience categories listed below.

Work Experience Categories:

- a) Engineering or design of boilers and pressure vessels
- b) Manufacturing, including fabrication methods or processes in either shop or field.
- c) Responsible charge in the operation of boilers exceeding 50,000 lbs of steam per hour total capacity.
- d) Perform repair, alteration or maintenance of boilers or pressure vessels.
- e) Quality control systems related to boiler or pressure vessel manufacturing, repair and alteration in either shop or field.
- f) Inspection of boilers or pressure vessels either in service or during construction, including either shop or field.
- g) An NDE Level II examiner of boiler and pressure vessels.

College transcripts must be submitted with application OR send immediately to staffinginfo@milwaukee.gov or to the City of Milwaukee, Department of Employee Relations, ATTN: BI. Student copies are acceptable.

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2. Successful candidates must be commissioned as a WI Boiler and Pressure Vessel Inspector by the National Board of Boiler and Pressure Vessel Inspectors by the end of their probationary period.
3. Valid driver's license and availability of a properly insured personal automobile at time of appointment and throughout employment.
4. Residency in the City of Milwaukee within six months of appointment and throughout employment.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED:

- ◆ Knowledge of building and construction practices and techniques associated with boilers and pressure vessels; heating, ventilating, air conditioning and refrigeration systems;
- ◆ Knowledge of equipment and tools associated with the above
- ◆ Knowledge of and ability to apply mathematics
- ◆ Knowledge of codes, laws, ordinances and regulations applicable to the installation of boilers and pressure vessels; heating, ventilating, air conditioning and refrigeration systems; skill in recognizing violations
- ◆ Knowledge of safe work practices
- ◆ Skill in reading and interpreting drawings, plans, blueprints and specifications
- ◆ Skill in reading, interpreting and applying written codes
- ◆ Identify complex problems and develop solutions; analyze and solve problems
- ◆ Use logic and reasoning skills; use judgment and decision making skills
- ◆ Effective oral and written communication skills
- ◆ Physical ability to examine work sites and move and transfer objects up to 50lbs unassisted
- ◆ Ability to communicate and interrelate effectively with the public, public officials and skilled trades personnel; excellent customer service skills
- ◆ Ability to maintain detailed, accurate records

THE CURRENT SALARY for Boiler Inspector I (30N) is: \$ 51,595 to \$ 61,466 with excellent benefits.

CURRENT SALARY for Boiler Inspector II (3QN) is: \$58,671 to \$66,379

The Selection Process will be job related and will consist of one or more of the following: training & experience evaluation, written, oral, or performance examinations, or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral or performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **July 13, 2012**. Receipt of applications may be discontinued at any time after this date without prior notice; however, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination.

Applications and further information may be obtained from www.milwaukee.gov/jobs or in person or via mail from the City of Milwaukee, Department of Employee Relations, Room 706 City Hall, 200 East Wells Street, Milwaukee WI, 53202-3554, or by calling 414-286-3751.