

New York State Department of Civil Service
DIVISION OF CLASSIFICATION & COMPENSATION

Occ. Code 7818200

Boiler Inspector, Grade 14	7818200
Senior Boiler Inspector, Grade 17	7818300
Supervising Boiler Inspector, Grade 21	7818500
Chief Boiler Inspector, M-1	7818600

Brief Description of Class Series

Boiler Inspectors apply technical knowledge and skills to plan, schedule, and conduct regulatory safety inspections of both commercial and domestic power and heating boilers to ensure safe operating conditions and compliance with applicable laws and industrial codes. These positions are classified only at the Department of Labor.

Distinguishing Characteristics

Boiler Inspector: entry level; conducts safety inspections; investigates boiler-related accidents or complaints.

Senior Boiler Inspector: first supervisory level; directs a staff of Boiler Inspectors in an assigned district office; performs the more difficult inspections, installations, and investigations.

Supervising Boiler Inspector: one-position class; assists in planning and directing the Statewide boiler inspection program.

Chief Boiler Inspector: one-position class; plans and directs the statewide boiler inspection program.

Related Classes

Safety and Health Inspectors perform inspections of public and private work sites, and places of public assembly to ensure conformance with established occupational safety and health standards, identify unsafe conditions and work practices, and provide training to protect workers and the public. These positions perform inspections of worksites such as: state, county, city, and town office buildings, hospitals, correctional facilities, sewage treatment plants, ski areas, carnivals, fairs and amusement parks, explosives magazines, power scaffolds and other window-washing operations. These worksites may also include asbestos abatement projects, and mold assessments and remediations.

Illustrative Duties

Boiler Inspector

Under the supervision of a Senior Boiler Inspector, inspects the routine boiler installations; performs monitored insurance inspections; conducts regulatory inspections of high and low pressure boilers to ascertain condition and safe method of operation; removes from service and tags unsafe boilers; approves initial start-up of newly installed boiler systems and certifies the safety of existing installations; performs tests and calculations to determine the bursting point and safe working pressure of boilers; administers hydrostatic pressure tests on new and repaired boilers; conducts safety inspections of boilers under construction to ensure compliance with prescribed specifications; advises management personnel on safety practices and methods of correcting violations; directs owners, power plant operators, and maintenance personnel in the preparation of boilers for inspection; maintains records and submits written reports of inspection; anticipates any unsafe conditions and determines corrective action; conducts investigations as a result of accidents or complaints; determines the condition of braces, straps, tubes, shells, and all other internal and external boiler parts; maintains boiler records; checks the safety condition of runways, ladders, stairways, and exits in boiler rooms; examines pressure vessels to determine their applicability to code requirements; calculates the allowable working pressure of a boiler to ensure compliance with code requirements and safety; visits new or renovated buildings to determine code jurisdiction; and documents ownership of boilers and pressure vessels by examining legal records for prosecution purposes.

Senior Boiler Inspector

Under the direction of the Supervising Boiler Inspector, supervises a staff of Boiler Inspectors in conducting regulatory inspections of high and low pressure boilers; trains and evaluates staff; reviews workload and assigns inspections; accompanies staff members to inspection sites to ensure that inspections are being conducted according to specified procedures; conducts the most difficult inspections; conducts informal conferences with repair firms and owners/operators regarding the issuance of Commissioner's violations; reviews inspectors' violations to determine if violations are valid and the intent of the code is met; reviews final form of proposed recommendations and compliance methods; represents the agency at compliance conferences; prepares cases for use by the Attorney General's Office by collecting background information and providing expert witness testimony; maintains records on the region's test equipment and assigns equipment to field staff; assists mechanical engineers, contractors, installers, and owners/operators in their review of new and existing applicable codes and standards; reports recurring problems that may result in program or inspection policy changes; reviews daily work summaries and determines if all inspections and sites are properly surveyed and applicable orders issued; investigates boiler accidents; prepares any necessary reports; and

monitors insurance company inspectors to determine the quality of inspection.

Supervising Boiler Inspector

Under the supervision of the Chief Boiler Inspector, assists in directing the statewide boiler inspection program; assigns and supervises the work of staff; ensures that staff is trained on new boiler manufacturing and safety control techniques; serves as an advisor to the hearing officer at the Industrial Board of Appeals and at public hearings; develops and conducts in-house training programs; conducts shop reviews of boiler repair companies that perform commercial repairs of boilers in accordance with applicable rules; monitors inspections performed by insurance company inspectors; and coordinates and prepares all applicable reports.

Chief Boiler Inspector

Under the supervision of the Director of Occupational Safety and Health, directs, coordinates, and evaluates the operations of the statewide boiler inspection program; represents New York State as a member of the National Board of Boiler and Pressure Vessel Inspectors; represents the Department of Labor as the technical expert in all boiler related activities, including qualifying insurance company inspectors; appears before the Industrial Board of Appeals and at hearings relative to revocation or suspension of Boiler Inspector Certificates of Competency; and meets with community officials, labor organizations, industrial managers, and other interested parties concerned with boiler safety code implementation.

Minimum Qualifications

Boiler Inspector

Open-Competitive: an associate's degree in engineering technology, marine engineering, mechanical engineering, or mechanical technology AND either two years of commercial, residential, or military experience in boiler making, boiler installation or inspection, OR in the operation and maintenance of high and/or low-pressure boilers including all firing apparatus and control devices; OR either four years of commercial, residential, or military experience in boiler making, boiler installation or inspection, OR in the operation and maintenance of high and/or low pressure boilers including all firing apparatus and control devices.

Senior Boiler Inspector

Promotion: one year of service as a Boiler Inspector.

Supervising Boiler Inspector

Promotion: one year of service as a Senior Boiler Inspector.

Chief Boiler Inspector

Promotion: one year of service as a Supervising Boiler Inspector.

Note: Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all of the work that might be appropriately performed by a class. The minimum qualifications above are those which were required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum requirements for appointment or examination.

1/2021

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