



Code & Standard Training Requirements

The following is the training requirements as laid forth within applicable codes and standards for your site:

NFPA 86 (2015 Edition) – Standard for Ovens and Furnaces

- 7.2.1*** Personnel who operate, maintain, or supervise the furnace shall be thoroughly instructed and trained in their respective job functions under the direction of a qualified person (s).
- 7.2.2** Personnel who operate, maintain, or supervise the furnace shall be required to demonstrate an understanding of the equipment, its operation, and practice of safe operating procedures in their respective job functions.
- 7.2.3** Personnel who operate, maintain, or supervise the furnace shall receive regularly scheduled refresher training and shall demonstrate understanding of the equipment, its operation, and practice of safe operating procedures in their respective job functions.
- 7.2.4** The training shall cover startup, shutdown, and lockout procedures in detail.
- 7.2.5** The training program shall be kept current with changes in equipment and operating procedures, and training materials shall be available for reference.

NFPA 85 (2015 Edition) – Boiler and Combustion Systems Hazard Code

- 4.4.3.1.1*** The owner or the owner's representative shall be responsible for establishing a formal training program that is consistent with the type of equipment and hazards involved to prepare personnel to operate equipment.
- 4.4.3.1.2** Operating procedures shall be established that cover normal and emergency conditions.
 - 4.4.3.1.2.1** Start-up, shutdown, and lockout procedures shall all be covered in detail.
 - 4.4.3.1.2.2** Where different modes of operation are possible, procedures shall be prepared for each operating mode.
 - 4.4.3.1.2.3** Procedures also shall be prepared for switching from one mode to another.
- 4.4.3.1.3** The owner or owner's representative shall verify that operators are trained and competent to operate the equipment under all conditions prior to their operation of such equipment.
- 4.4.3.1.4** The owner or owner's representative shall be responsible for retraining operators, including reviewing their competence, at intervals determined by the owner.

- 4.4.3.1.5** The training program and operating and maintenance manuals shall be kept current with changes in equipment and operating procedures and shall be available for reference and use at all times.
- 4.4.3.1.6** Operating procedures shall be directly applicable to the equipment involved and shall be consistent with safety requirements and the manufacturer's recommendations.
- 4.4.3.2.1*** The owner or owner's representative shall be responsible for establishing a formal and ongoing program, consistent with the equipment and hazards involved, for training maintenance personnel to perform all required maintenance tasks.
- 4.4.3.2.2** Maintenance procedures and their associated training programs shall be established to cover routine and special techniques.
- 4.4.3.2.3** Environmental factors such as temperature, dusts, contaminated or oxygen-deficient atmospheres, internal pressures, and limited access or confined space requirements shall be included in the maintenance procedures.
- 4.4.3.2.4** Maintenance procedures shall be consistent with safety requirements and the manufacturer's recommendations and shall be kept current with changes in equipment and personnel.

ASME CSD-1 (2012 Edition) – Controls and Safety Devices for Automatically Fired Boilers

Section CM-120

The qualified individual performing inspections and tests shall be trained and familiar with all operating procedures and equipment functions and shall be capable of determining the equipment is in an as-designed operating condition. The individual shall be familiar with all precautions and shall have complied with the requirements of the authority having jurisdiction.