

City of Detroit
Buildings, Safety Engineering & Environmental Department
Coleman A. Young Municipal Center
2 Woodward Avenue, Examination Section-Room 408
Detroit, Michigan 48226
Telephone: 224-3184

April 2013

MEMORANDUM

Subject: Procedures and Subject Matter that an Applicant shall be familiar with when applying for a Boiler Operator License.

Prerequisites: The City of Detroit Ordinance No. 750-G requires that an applicant for Boiler Operator Licenses shall have a minimum of boiler plans experience in accordance with the following:

Miniature Boiler Operator: One month experience in the operation of any type high pressure boiler.

Low Pressure Boiler Operator: One year actively employed in connection with the operation or maintenance of low or high pressure boilers, or has completed an approved low pressure boiler operator program as established by completion letters or certificates.

High Pressure Boiler Operator: Two years actively employed in connection with the operation or maintenance of low or high pressure boilers, steam prime movers or their auxiliaries, or have completed an approved high pressure boiler operator program as established by completion letters or certificates.

Application and Documentation: Applicant forms will be obtained from this department. Completed applications and letters of documentation or other documentary evidence shall be submitted by the applicant to the examination office for evaluation, verification and scheduling of examination dates. Notarized letters from company officials on company stationary per the attached samples are acceptable. Photo copies will be accepted for scheduling purposes only. The originals must be presented for verification on the date of the appointment. Failure to do so will void the application and cancel the examination. Documentary material will be retained with the application and **will not be returned.** Applications that are not accepted will be returned.

Bring a properly filled out application, proof of employment, or certificate of completion from an approved school, and proper picture I.D.

Examination: The oral examination for this license is given on every second and fourth Tuesday and Thursday of each month at 8:00 am by appointment only. Fee \$95.00. Applicants will be interviewed at 8:00 a.m., the examination beginning at 8:30a.m., punctuality being a very important part of the exam. Applicants who pass the written/oral examination may secure their license upon payment of the required fee \$45.00. Failure to appear for an appointment will result in voiding the application. A new application and documentation will be required to make a new appointment. The applicant is reminded that if he/she fails the examination, he/she is not eligible to reapply for the same grade of license for at least ninety (90) days.

Subject Matter: The examination will include questions, and various drawings on the following subject:

Miniature Boiler Operator: Boiler appliances and auxiliaries; feed water pumps, fusible plugs; low water alarms; water column; gage glass; tricocks; types of valves; pressure regulator; steam gage; safety valves; low water and over pressure procedure; post of duty; etc.

Low Pressure Boiler Operator: That information required for a miniature boiler operator license plus; Low water cutoff; automatic combustion controls; preparation of boilers for inspection, starting and shutting down a boiler' smoke control; flame sensing devices; fuels; fuel burning equipment; injector; venting of boiler and furnace.

High Pressure Boiler Operator: That information required for a low pressure boiler operator license plus; feed water regulators, steam header and blow-off valve arrangements and operation; soot blowers, injectors; safety valve requirements and testing.

CONSTRUCTION DIVISION



Glenn A. Davis, Chief