



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

STEVEN H. HILFINGER
DIRECTOR

Application for Boiler Operator or Stationary Engineer Examination

Applicants must complete and submit the enclosed application for examination to the Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, Boiler Division, P.O. Box 30255, Lansing, Michigan 48909 for review of qualifications for examination. A nonrefundable check or money order in the amount of \$50.00 made payable to the State of Michigan must accompany the application. The applicant will also be charged a fee for the delivery and administration of the examination from the National Institute for the Uniform Licensing of Power Engineers, Inc. (NIULPE).

Applicants not approved for examination will be notified by mail at the address provided of the reason for denial of the examination request.

Applicants approved for examination will be submitted to NIULPE. NIULPE will provide the approved candidate with instructions detailing the examination location, date, time, and procedures.

QUALIFICATION REQUIREMENTS:

Applicants for examination must meet all of the following requirements:

Michigan Boiler Act of 1965 PA 290 Section 13a.

(5) A person applying for a registration under this act shall be not less than 18 years of age, shall possess the physical and mental capacities to perform his or her duties in a competent and safe manner, and shall meet the applicable requirements of section 13d. An applicant shall use a form provided by the director.

Michigan Boiler Act of 1965 PA 290 Section 13d

408.763d Registration requirements; qualifications.

Sec. 13d. (1) The director shall not issue a registration for a title described in section 13a(2) unless the applicant meets the requirements for the classification as prescribed in subsections (2) to (6).

(2) An applicant for a low pressure boiler operator registration shall have not less than 1 year of experience operating or maintaining low or high pressure boilers, steam prime movers, or associated auxiliaries.

(3) An applicant for a high pressure boiler operator registration shall have 1 or more of the following:

(a) Not less than 2 years of experience in the operation of a high pressure boiler.

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P.O. BOX 30254 • LANSING, MICHIGAN 48909
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www.michigan.gov/dleg

LARA is an equal opportunity employer/program.
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

- (b) A low pressure boiler operator's registration and not less than 1 year of experience in the operation of a low pressure boiler.
- (c) Not less than 1 year of either a qualified training program, a qualified technical education program, or an approved apprenticeship program.
- (4) An applicant for a third-class stationary engineer registration shall meet 1 or more of the following requirements:
 - (a) Be registered as a high pressure boiler operator and have not less than 1 year of experience in the operation of a high pressure boiler.
 - (b) Be registered as a low pressure boiler operator, have not less than 1 year of experience in the operation of a low pressure boiler, and have not less than 1 year of maintenance experience on high pressure boilers and associated auxiliaries.
 - (c) Be registered as a high pressure boiler operator and have not less than 1 year of boiler maintenance experience or not less than 1 year as an apprentice in an approved training program in a high pressure boiler plant having an aggregate heating surface of more than 4,000 square feet.
 - (d) Have not less than 3 years of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 4,000 square feet.
 - (e) Have not less than 1 year of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 4,000 square feet along with sufficient experience operating steam prime movers in excess of 10 horsepower for a combined total of not less than 3 years of experience.
 - (f) Have an associate degree in energy technology or a related field as determined by the board with a power engineering option from a 2-year college whose program is approved by the board and employment or cooperative education experience of not less than 360 hours as a power engineer, boiler operator, or stationary engineer in a steam electric generation plant or a high pressure steam heating or process plant.
- (5) An applicant for a second-class stationary engineer registration shall meet 1 or more of the following requirements:
 - (a) Be registered as a third-class stationary engineer and have not less than 1 year of experience as a third-class stationary engineer.
 - (b) Have a bachelor's degree in engineering, engineering technology, heating/power technology, or energy technology from a college or university whose program is approved by the board and employment experience as an engineer in the engineering or research division of a steam electric power generating plant for not less than 1 year.
 - (c) Have not less than 4 years of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 7,500 square feet.
 - (d) Have not less than 1 year of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 7,500 square feet along with sufficient experience operating steam prime movers in excess of 100 horsepower for a combined total of not less than 4 years of experience.
 - (e) Have not less than 1 year of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 7,500 square feet along with sufficient experience operating boilers in a high pressure boiler plant having an aggregate heating surface of more than 4,000 square feet for a combined total of not less than 4 years of experience.
- (6) An applicant for a first-class stationary engineer registration shall meet 1 or more of the following requirements:

- (a) Be registered as a second-class stationary engineer and have not less than 2 years of experience as a second-class stationary engineer.
- (b) Have not less than 6 years of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 20,000 square feet.
- (c) Have not less than 2 years of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 20,000 square feet along with sufficient experience operating steam prime movers in excess of 200 horsepower for a combined total of not less than 6 years of experience.
- (d) Have not less than 2 years of experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 20,000 square feet along with sufficient experience in the operation of boilers in a high pressure boiler plant having an aggregate heating surface of more than 7,500 square feet of heating surface for a combined total of not less than 6 years of experience.
- (e) Complete a 4-year approved apprenticeship program or a 4-year qualified training program.
- (f) Complete a 4-year program with a bachelor's degree from a college or university in engineering, engineering technology, heating/power technology, or energy technology whose program is approved by the board and which includes a hands-on power option from a 2-year community college program or the equivalent, as determined by the board, and not less than 1 year of employment, internship, or cooperative education experience in a steam electric generation plant or high pressure steam heating process plant.

R 408.5606 Boiler operator and stationary engineer application for examination; examination fees.

Rule 1606. (1) The examination for boiler operators and stationary engineers shall be administered as follows:

- (a) For high- and low- pressure boiler operators, the exam shall be written.
 - (b) The examination for stationary engineer shall be both written and oral.
 - (c) The written examination for all classifications of boiler operator and stationary engineer shall be delivered and administered by NIUPLE. One examination fee entitles the applicant to take a written examination once.
 - (d) Each applicant shall complete an application provided by the department for review and determination of experience required by Section 13d of the act to qualify for examination. If approved, the applicant's information will be transmitted to NIULPE for scheduling an examination date and location.
 - (e) The oral examination for all classifications of stationary engineer shall be administered by the review panel established by the board. The oral examination shall be for the purpose of determining an applicant's ability to respond to equipment situations in a real-time atmosphere.
- (2) A non-refundable application fee of \$50.00 shall accompany the application for the written examination. The applicant will also be charged a fee by NIULPE for delivery and administration of the written examination.
- (3) Stationary engineers shall successfully complete the written examination before submitting a new application and fee as prescribed by R 408.4038 for the oral examination.
- (4) One examination fee entitles the applicant to take an oral examination once. An additional fee prescribed by R 408.4038 shall accompany each subsequent application.

REFERENCE PUBLICATIONS

Reference publications may be obtained from the publisher or may be available at local public libraries. The Boiler Division does not provide the referenced publications listed below to the applicant. The applicant bears the responsibility to obtain the necessary training, experience, and reference publications needed to prepare for the examination.

- a. Michigan Boiler Law 1965 PA 290 and the Michigan Boiler Rules
- b. ASME and NBIC quotes as per suggested study material
- c. NIULPE at: <http://www.niulpe.org/certification.shtml>
- d. Frederick M. Steingress and Daryl R. Walker, Low Pressure Boilers, American Technical Publishers, 115W 175th St., Homeland, IL 60430 (most current edition available); 1-800-323-3471; service@americantech.net
- e. The US Distributor for PanGlobal Products is:
Integrated Services & Consultants, Inc.
450 Keystone Drive
Carnegie, PA 15106
Phone: 412-276-7044
Fax: 412-276-7115
www.onlinetechnicalresources.com

BODY OF KNOWLEDGE

The State of Michigan boiler operator and stationary engineer classifications are equivalent to the NIULPE low pressure boiler operator through 1st class power engineer certification. You are directed to the following web site for information on studying for the examination: <http://www.niulpe.org/certification.shtml>. **NOTE:** Refrigeration will not be part of the examination.

The State of Michigan Boiler Operator and Stationary Engineer Examination is designed to determine if an individual possesses the necessary knowledge to carry out the responsibility of a boiler operator or stationary engineer. The “Body of Knowledge” is referred to as the “Reference Syllabus” in the NIULPE documents and is the study guide that provides a list of specific topics on which the boiler operator or stationary engineer should be knowledgeable.

Only information covered in the topics outlined in the Body of Knowledge will be utilized for examination questions. Each specific examination may not cover every topic of the Body of Knowledge.

Books are not to be brought to the examination site; however, non-programmable calculators may be used.

DIRECTIONS FOR COMPLETING THE APPLICATION FOR BOILER OPERATOR OR STATIONARY ENGINEER EXAMINATION

APPLICATION MUST BE TYPED OR PRINTED IN INK ONLY (No Whiteout)

- 1. Type of registration applying for (check only one):** Check the type of classification you are applying for. **NOTE:** If you have completed a qualified technical education program approved by the Michigan Board of Boiler Rules, attach your certificate to the application and check “Approved QTEP” *in addition to* your registration type.
- 2. Applicant information:** Fill in last name first. Complete all information that applies.
- 3. Experience:** No person shall be examined for registration as Boiler Operator or Stationary Engineer who has not first demonstrated that they meet all of the requirements listed under “QUALIFICATION REQUIREMENTS” above.
- 4. Boiler information:** Must be completed if you are using boiler experience hours for your experience. It should be noted that boiler experience gained on cast iron boilers will not be recognized.
- 5. Experience verification:** To establish compliance with the qualification requirement in section 13d of the act, an applicant for examination shall specify in writing that they have had education, active participation, direct observation and practical engagement in the activities listed here relevant to the equipment for which registration is sought. This must be verified in writing on company letterhead by a responsible representative of your employer. This experience verification must be signed prior to mailing.
- 6. License/registration held:** Attach a copy of your license/registration to the application if you have had or currently hold an active license to operate boilers from a licensing municipality within the state of Michigan or currently hold a registration issued by the state of Michigan.
- 7. Signature:** This application must be signed prior to mailing.
- 8. Official use only:** Please do not write in this area.

APPLICATION WILL NOT BE ACCEPTED FOR THE FOLLOWING: Incomplete application, license/registration not attached, payment not attached, application not typed or printed in ink, or application not signed.

SEND COMPLETED APPLICATION WITH ALL ATTACHMENTS TO:

Department of Licensing and Regulatory Affairs
Bureau of Construction Codes
Boiler Division
P.O. Box 30255
Lansing, MI 48909

Application for Boiler Operator or Stationary Engineer Examination

Michigan Department of Licensing and Regulatory Affairs
 Bureau of Construction Codes / Boiler Division
 P.O. Box 30255, Lansing, MI 48909
 517-241-9334
 www.michigan.gov/bcc

Fee: \$50.00 (nonrefundable)

Authority: 1965 PA 290 Completion: Voluntary Penalty: Registration will not be issued	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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Instructions:

- Complete and sign application. Type or print in ink.
- Application must be received not less than thirty days prior to the requested examination date.
- PA 236 of 1996, as amended, requires an applicant to include his or her social security number. However, a requirement under this section to include a social security number on an application does not apply to an applicant who demonstrates he or she is exempt under law from obtaining a social security number or to an applicant who for religious convictions is exempt under law from disclosure of his or her social security number under these circumstances.
- Enclose a check or money order for \$50.00 made payable to the **State of Michigan**.
- Mail completed **ORIGINAL** application, required documents, and payment to the address listed above.

1. Type of Registration Applying For (check only one)				
INDICATE THE CLASS OR CATEGORY OF REGISTRATION YOU ARE APPLYING FOR				
<input type="checkbox"/> Low Pressure Boiler Operator	<input type="checkbox"/> High Pressure Boiler Operator	<input type="checkbox"/> 1 st Class Stationary Engineer		
<input type="checkbox"/> 3 rd Class Stationary Engineer	<input type="checkbox"/> 2 nd Class Stationary Engineer	<input type="checkbox"/> Approved QTEP		
2. Applicant Information				
NAME		DATE OF BIRTH		SOCIAL SECURITY NUMBER*
ADDRESS		HOME TELEPHONE NUMBER (Include Area Code)		WORK TELEPHONE NUMBER (Include Area Code)
CITY		STATE	ZIP CODE	COUNTY
3. Boiler Information (use additional sheet if necessary)				
EXPERIENCE OBTAINED ON BOILER STATE ID NUMBER	BOILER HEATING SURFACE	LB/HR STEAM PRODUCED	TOTAL SAFETY VALVE CAPACITY	MAX. ALLOWABLE WORKING PRESSURE OF BOILER
BOILER LOCATION			ADDRESS	
CITY		STATE	ZIP CODE	TELEPHONE NUMBER (Include Area Code)
4. Boiler Operator/Stationary Engineer Licenses Held by Applicant				
Attach a copy of your license/registration to this application. License/registration must be issued by the state of Michigan or by a licensing municipality within the state of Michigan.				

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.
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COMPLETE BACK SIDE OF APPLICATION

5. Experience Verification By Employer

I _____ hereby certify that this applicant gained the required experience as
(Printed Name)
mandated by 1965 PA 290, the Boiler Act, Section 13(d).

Signature _____ Title _____ License/Registration No. _____

Company Name _____ Contact Telephone Number (include area code) _____

6. Signature

I _____ hereby certify that the matters set forth by me in this application are
(Printed Name)
true and correct and that I satisfy the requirements of 1965 PA 290, the Boiler Act, Sections 13a and 13d. I request permission to sit
for examination.

Signature _____ Date _____

7. Official Use Only

Information verified

Additional information requested

Approved

Denied

OFFICIAL SIGNATURE

DATE

NOTES
