

BOILER EXAMINATION INFORMATION - REPAIRERS

In an effort to give guidance to you as you prepare for the upcoming boiler examination, the following information is provided:

If you are taking the boiler repairer's exam (class I-IV), you need to study:

- a. The Michigan Boiler Rules – **2008** edition (effective **July 27, 2009**)
- b. The Michigan Boiler Act 290 of 1965
- c. ASME Code Sections I, IV, IX, 2007 edition and **2008 addenda**. B31.1 – **2007 edition**
- d. National Board Inspection Code – **2007 edition**

This examination is open book. The examinee is responsible to bring the applicable code books to the examination.

Examinations are offered quarterly: March, June, September and December, on the first Wednesday and/or Thursday of the month.

Applications must be received in this office 30 days prior to the examination date.

The Michigan Boiler Rules may be purchased from the Michigan Department of Energy, Labor & Economic Growth, Bureau of Construction Codes, P.O. Box 30255, Lansing, MI 48909 at a cost of \$10.00. In lieu of payment, the complete Michigan Boiler rules may be downloaded for free from the bureau's web site at www.michigan.gov/bcc.

The National Board Inspection Code book can be purchased by calling 1-614-888-8320.

The ASME Code books can be purchased by calling 1-800-843-2763.

APPLICATION FOR BOILER REPAIRER'S EXAMINATION

The following is information for the applicant completing the application for a repairer's examination in accordance with State of Michigan Boiler Rules and Regulations.

Rule 117. Boiler repairers shall be licensed as required by section 13 of the act.

Rule 119. (1) An application for a boiler repairer's license shall be on a form provided by the boiler division of the department. The applicant shall state the name of the business, firm, partnership, or corporation that the applicant intends to represent in the business of repairing boilers and shall give evidence of his or her past experience in the repair of boilers and evidence of his or her workmanship and engineering skills that would qualify the applicant for examination and licensing.

(2) An applicant for a boiler repairer's license shall have at least 5 years of experience in all phases of boiler repair in the class of license for which the applicant is applying. A credit of 3 years of experience towards the 5 years of experience will be given for 3 years of experience in the design, construction, manufacture, or inspection of boilers.

(3) The boiler division of the department may verify repairs required to be reported on the application to establish the applicant's minimum practical repair experience in the applicant's desired license classification. Copies of the boiler division inspection reports of the repairs shall be made part of the application.

Rule 121. (1) The examination for a boiler repairer's license shall be approved by the board of boiler rules. The examination will be held quarterly at a location determined by the boiler division of the department.

(2) An applicant wishing to upgrade his or her license to a higher classification shall take the examination prescribed in subrule (1) of this rule.

(3) The director, upon the request of a company in possession of a valid ASME "N" type certificate of authorization or the national board of boiler and pressure vessel inspectors "NR" certificate of authorization, shall issue, to an individual of the company, a license as a nuclear repairer if the individual, before receiving his or her license, satisfactorily passes the examination prescribed in subrule (1) of this rule.

Rule 122. (1) An applicant for a boiler repairer's license shall state the name of the business, firm, partnership, or corporation under which he or she intends to carry on the business of repairing boilers before a license will be issued. The applicant may be the owner, a partner, an officer of a corporation, or a supervisory employee of the business, firm, partnership, or corporation legally registered with the state.

(2) A person shall not engage in repairing boilers under the name of more than 1 business at any one time.

Rule 123. The fee prescribed by R 408.4038 shall accompany each application for boiler repairer's license.

Rule 124. An individual employed by, and working under the supervision of, a licensed boiler repairer is not required to be licensed.

Rule 125. (1) A boiler repairer's license shall be renewed annually upon payment of a fee as prescribed by R 408.4038.

(2) A repairer's license shall expire on December 31 of each year and shall be renewed. An application for renewal shall be submitted to the boiler division of the department between September 30 and December 31. A license that is not renewed by January 1 shall be voided and may be reinstated only upon application for reinstatement and payment of both the renewal fee and a reinstatement fee of \$75.00. A person requesting renewal of a license within 3 years after the license is voided pursuant to this subrule is not subject to reexamination for the license, but shall pay both the reinstatement fee and the annual license renewal fee for the current renewal year. A person who fails to renew a license for 3 consecutive years shall meet the requirements of, and take an examination for, the class of license sought.

(3) A licensee who changes business affiliation shall notify the chief inspector, on a form provided by the boiler division of the department, of the name and address of the new business affiliate under which the licensee intends to use his or her license. A fee of \$20.00 shall accompany the notification form.

Rule 127. (1) A class I license allows a licensee to repair a boiler by means other than welding, riveting, or other fabrication process.

(2) A class II license allows a licensee to do both of the following:

- (a) Repair a low-pressure boiler, a hot water supply boiler, and a fire tube boiler of any pressure.
- (b) Perform work covered by a class I license.

(3) A class III license allows a licensee to do all of the following:

- (a) Repair a high-pressure boiler.
- (b) Repair or replace non-boiler external piping, as defined by ASME code B31.1 and R408.4032.
- (c) Perform work covered by a class II license.

(4) A class IV license allows a licensee to do all of the following:

- (a) Repair or field-erect a boiler of any pressure. Exception: a boiler that has a nuclear heat source.
- (b) Repair or replace non-boiler external piping as defined by ASME code B31.1 and R408.4032.

(5) A class V license allows a licensee to erect and repair a boiler that has a nuclear heat source or its parts, appurtenances, or system components, and also provides the following:

- (a) The licensee may repair or replace non-boiler external piping, as defined by ASME code B31.1 and R 408.4032.

(b) Before a license is issued, an applicant for a class V license shall submit evidence of the following:

- (i) Familiarity with and knowledge of all federal rules and regulations regarding the construction of a boiler that has a nuclear heat source.
- (ii) Employment by a company in possession of a valid ASME N-type symbol stamp applicable to the portions of any nuclear boiler system he or she proposes to repair.

(6) A class P license qualifies a person to install or repair non-boiler external piping as defined by ASME code B31.1 and R 408.4032.

(7) A licensed boiler repairer shall secure a permit for a change in use of an existing boiler or replacement by mechanical methods, without welding, of sections in sectional boilers, heat exchangers, feed water heater or economizer, and tube bundles in accordance with R 408.4033.

Rule 129. It is the responsibility of a licensed boiler repairer to make all boiler repairs in accordance with these rules and arrange for the required inspections with an inspector before work is started. Any deviation from these requirements is cause for suspension or revocation of the boiler repairer's license.

Rule 131. The board shall require examination or reexamination of any licensee whose license has been revoked for cause.

Application for Boiler Repairer's Examination
 Michigan Department of Labor & Economic Growth
 Bureau of Construction Codes / Boiler Division
 P.O. Box 30255, Lansing, MI 48909
 517-241-9334
 www.michigan.gov/bcc

Fee: \$100.00 (nonrefundable)

Authority: 1965 PA 290 and Michigan Boiler Rules and Regulations Completion: Voluntary Penalty: License will not be issued	The Department of Labor and Economic Growth will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. If you need help with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this agency.
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Instructions:

- Complete and sign application. Type or print in ink.
- Enclose a check made payable to the **State of Michigan**.
- Mail completed application and fee to the address above.

Applicant Information

NAME OF APPLICANT			NAME OF BUSINESS, FIRM, PARTNERSHIP, CORPORATION			
ADDRESS			ADDRESS			
CITY	STATE	ZIP CODE	CITY	COUNTY	STATE	ZIP CODE
HOME TELEPHONE NUMBER (Include Area Code)			BUSINESS TELEPHONE NUMBER (Include Area Code)		FEDERAL EMPLOYER IDENTIFICATION NUMBER	
CLASS OF LICENSE REQUESTED	YEARS OF EXPERIENCE MICHIGAN _____ OTHER _____	ASME SYMBOLS	AUTHORIZATION NUMBER	EXPIRES	HAVE WELDING PROCEDURES AND QUALIFICATIONS BEEN FILED WITH THE BOILER DIVISION? <input type="checkbox"/> Yes <input type="checkbox"/> No	

Work Experience-List type of boiler repairs, alterations or boiler erections made by you over a period of at least 5 years in accordance with Rule 119.

			NATIONAL BOARD "R" CERTIFICATE NUMBER	EXPIRATION DATE	
NAME OF BOILER OWNER / USER			NAME OF BOILER MANUFACTURER		
LOCATION OF BOILER (Street No. and Name)			<input type="checkbox"/> Repaired <input type="checkbox"/> Field Erected <input type="checkbox"/> Altered		
CITY	STATE	ZIP CODE	TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT	YEAR BUILT	MAX. BLR. PRESSURE
BOILER USE <input type="checkbox"/> Steam <input type="checkbox"/> Hot Water Heating <input type="checkbox"/> Hot Water Supply <input type="checkbox"/> Other _____			PERMIT NUMBER	MICHIGAN BOILER NUMBER M M	
LIST TYPE OF REPAIRS OR ALTERATIONS MADE AND EXPLAIN IN DETAIL. (Use additional sheets, if necessary)					
NAME OF BOILER OWNER / USER			NAME OF BOILER MANUFACTURER		
LOCATION OF BOILER (Street No. and Name)			<input type="checkbox"/> Repaired <input type="checkbox"/> Field Erected <input type="checkbox"/> Altered		
CITY	STATE	ZIP CODE	TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT	YEAR BUILT	MAX. BLR. PRESSURE
BOILER USE <input type="checkbox"/> Steam <input type="checkbox"/> Hot Water Heating <input type="checkbox"/> Hot Water Supply <input type="checkbox"/> Other _____			PERMIT NUMBER	MICHIGAN BOILER NUMBER M M	
LIST TYPE OF REPAIRS OR ALTERATIONS MADE AND EXPLAIN IN DETAIL. (Use additional sheets, if necessary)					

Work Experience Continued-List type of boiler repairs, alterations or boiler erections made by you over a period of at least 5 years in accordance with Rule 119. (Attach additional sheets if necessary)

NAME OF BOILER OWNER / USER			NAME OF BOILER MANUFACTURER		
LOCATION OF BOILER (Street No. and Name)			<input type="checkbox"/> Repaired <input type="checkbox"/> Field Erected <input type="checkbox"/> Altered		
CITY	STATE	ZIP CODE	TYPE OF BOILER		YEAR BUILT
			<input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT		
BOILER USE			PERMIT NUMBER		MICHIGAN BOILER NUMBER
<input type="checkbox"/> Steam <input type="checkbox"/> Hot Water Heating <input type="checkbox"/> Hot Water Supply <input type="checkbox"/> Other _____					M M
LIST TYPE OF REPAIRS OR ALTERATIONS MADE AND EXPLAIN IN DETAIL (Use additional sheets, if necessary)					

NAME OF BOILER OWNER / USER			NAME OF BOILER MANUFACTURER		
LOCATION OF BOILER (Street No. and Name)			<input type="checkbox"/> Repaired <input type="checkbox"/> Field Erected <input type="checkbox"/> Altered		
CITY	STATE	ZIP CODE	TYPE OF BOILER		YEAR BUILT
			<input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT		
BOILER USE			PERMIT NUMBER		MICHIGAN BOILER NUMBER
<input type="checkbox"/> Steam <input type="checkbox"/> Hot Water Heating <input type="checkbox"/> Hot Water Supply <input type="checkbox"/> Other _____					M M
LIST TYPE OF REPAIRS OR ALTERATIONS MADE AND EXPLAIN IN DETAIL (Use additional sheets, if necessary)					

LIST OTHER EXPERIENCE IN THE DESIGN, CONSTRUCTION, MANUFACTURE OR INSPECTION OF BOILERS (Use additional sheets, if necessary)

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Are you upgrading your license?

Yes -- Current repairer's license number _____

No

Certification and Signature

I certify the information given is true to the best of my knowledge. I understand falsification of any statement in this application is cause for rejection or revocation of license, if issued.

APPLICANT SIGNATURE	SOCIAL SECURITY NUMBER*	DATE

*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.