

Stricken language would be deleted from and underlined language would be added to the law as it existed prior to this session of the General Assembly.

1 State of Arkansas  
2 85th General Assembly  
3 Regular Session, 2005

# A Bill

HOUSE BILL 2456

4  
5 By: Representative Bradford  
6 By: Senator J. Bookout

## For An Act To Be Entitled

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10 AN ACT TO AMEND THE QUALIFICATIONS OF BOILER  
11 INSPECTORS; TO AMEND THE TIME FOR INTERNAL  
12 INSPECTIONS OF LOW PRESSURE BOILERS; TO ELIMINATE  
13 THE BOND REQUIREMENT FOR THE CHIEF BOILER  
14 INSPECTOR; AND FOR OTHER PURPOSES.

## Subtitle

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17 AN ACT TO AMEND THE QUALIFICATIONS OF  
18 BOILER INSPECTORS; TO AMEND THE TIME FOR  
19 INTERNAL INSPECTIONS OF LOW PRESSURE  
20 BOILERS; AND TO ELIMINATE THE BOND  
21 REQUIREMENT FOR THE CHIEF BOILER  
22 INSPECTOR.

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25 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF ARKANSAS:

26  
27 SECTION 1. Arkansas Code § 20-23-101 is amended to read as follows:  
28 20-23-101. Definitions.

29 As used in this chapter, unless the context otherwise requires:

30 (1) "Boiler", or "boilers", ~~or "steam boilers"~~ means any boiler or  
31 like vessel or container in which water is heated or steam is generated by  
32 the application of heat ~~and shall mean any unfired pressure vessels~~  
33 ~~constructed for the accumulation, storage, or transportation of air, liquids,~~  
34 ~~or gases that are under induced pressure;~~ and includes:

35 (A) Steam boilers that generate steam under pressure and  
36 includes:



1                   (i) High pressure steam boilers that generate steam under  
 2 pressure above fifteen pounds per square inch gauge (15 psig); and

3                   (ii) Low pressure steam heating boilers that generate  
 4 steam at fifteen pounds per square inch gauge (15 psig) or less for heating  
 5 purposes;

6                   (B) Hot water heating boilers that heat water for the external  
 7 use of heating any area or building; and

8                   (C) Hot water heaters that are used for heating water for  
 9 external use for domestic purposes;

10           (2) "Horsepower" means the evaporation of thirty-four and one-half  
 11 pounds (34 1/2 lbs.) of water from a temperature of two hundred twelve degrees  
 12 Fahrenheit (212° F) into steam at two hundred twelve degrees Fahrenheit (212°  
 13 F) at fourteen and seven-tenths pounds per square inch absolute (14.7 psia);

14           (3) "Internal" and "external" inspection means a thorough and proper  
 15 inspection as provided for in the rules and regulations by the Boiler  
 16 Advisory Board;

17           (4)(A) "Pressure piping" means power piping systems and their  
 18 component parts within or forming a part of the pressure piping system  
 19 connected to any boiler or unfired pressure vessel covered by the provisions  
 20 of this chapter.

21           (B) This includes only boiler external piping for power boilers  
 22 and high temperature, high pressure water boilers in which:

23                   (i) Steam or vapor is generated at a pressure of more than  
 24 fifteen pounds per square inch gauge pressure (15 psig); and

25                   (ii) High temperature water is generated at pressures  
 26 exceeding one hundred sixty pounds per square inch gauge pressure (160 psig)  
 27 and/or temperatures exceeding two hundred fifty degrees Fahrenheit (250° F) or  
 28 one hundred twenty degrees Centigrade (120° C).

29           (C) Boiler external piping shall be considered as that piping  
 30 which begins where the boiler proper terminates at:

31                   (i) The first circumferential joint for welding end  
 32 connections;

33                   (ii) The face of the first flange in bolted flanged  
 34 connections; or

35                   (iii) The first threaded joint in that type of connection  
 36 and which extends up to and including the valve or valves required by

1 regulation;

2 (5) "Pressure vessel" means any unfired pressure vessel constructed  
3 for the accumulation, storage, or transportation of air, liquids, or gases  
4 that are under induced pressure; and

5 (6) "PSIG" means pounds per square inch gauge pressure.

6

7 SECTION 2. Arkansas Code § 20-23-202 is amended to read as follows:  
8 20-23-202. Chief inspector, deputy inspector, etc.

9 (a)(1) When the office of chief inspector becomes vacant, the Director  
10 of the Department of Labor shall ~~appoint and may remove for cause when so~~  
11 ~~appointed~~ employ a citizen of the State of Arkansas to be Chief Inspector of  
12 the Boiler Inspection Division.

13 (2) The chief inspector must ~~be a qualified boilermaker who has~~  
14 ~~had~~ have at the time of ~~the appointment~~ employment not less than ten (10)  
15 years' experience in the construction, maintenance, installation, and repair  
16 or inspection of high pressure boilers and unfired pressure vessels, ~~of which~~  
17 ~~at least three (3) years has been in the inspection of boilers.~~

18 (b)(1) The ~~chief inspector~~ Director of the Department of Labor is  
19 authorized and empowered to employ a technical assistant and deputy  
20 inspectors of boilers.

21 (A) ~~They~~ Inspectors of steam boilers and unfired pressure  
22 vessels shall have had at the time of employment not less than five (5)  
23 years' experience in the construction, maintenance, installation, and repair  
24 of high pressure boilers and unfired pressure vessels or possess a currently  
25 valid commission from the National Board of Boiler and Pressure Vessel  
26 Inspectors.

27 (B)(i) ~~They~~ Inspectors of steam boilers and unfired  
28 pressure vessels also shall have passed a written examination.

29 (ii) The examination shall conform to standards not  
30 exceeding those prescribed by the Boiler Code of the American Society of  
31 Mechanical Engineers.

32 (iii) ~~It~~ The examination shall test ~~their~~ the  
33 inspector's knowledge of the construction, installation, maintenance, and  
34 repair of boilers and their appurtenances.

35 (C) ~~The number of deputies shall be determined by the~~  
36 ~~income and work necessary to be performed by the division.~~

1           (2) ~~The chief inspector~~ Director of the Department of Labor is  
 2 also empowered to employ a ~~secretary, chief clerk, bookkeeper, and~~  
 3 ~~stenographers~~ clerical and administrative employees, as well as other  
 4 inspectors, as necessary to perform the ~~office~~ work of the Boiler Inspection  
 5 Division.

6           (3) The salaries are to be approved by the General Assembly.

7           ~~(c)(1) The chief inspector shall furnish a bond in the sum of five~~  
 8 ~~thousand dollars (\$5,000), and each of the deputy inspectors shall furnish a~~  
 9 ~~bond in the sum of two thousand dollars (\$2,000) conditioned upon the~~  
 10 ~~faithful performance of their duties and upon a true account of all moneys~~  
 11 ~~handled by them respectively and the payment thereof to the proper recipient.~~

12           ~~(2) The bonds shall be approved by the Attorney General and~~  
 13 ~~deposited with the Secretary of State.~~

14           ~~(d)(c) The chief inspector, technical assistant, deputy boiler~~  
 15 ~~inspectors, chief clerk, secretary, bookkeeper, and stenographers shall~~  
 16 ~~constitute the division.~~ The salaries of the ~~chief inspector, technical~~  
 17 ~~assistant, deputy inspectors, chief clerk, secretary, bookkeeper, and~~  
 18 ~~stenographers~~ employees of the Boiler Inspection Division, together with the  
 19 necessary expenses of the division, shall be paid out of the fees for which  
 20 provision is made in this chapter.

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 22           SECTION 3. Arkansas Code § 20-23-203(a), pertaining to boiler  
 23 inspections, is amended to read as follows:

24           (a) The Chief Inspector of the Boiler Inspection Division, either  
 25 personally or by ~~the~~ a deputy inspector, shall carefully:

26           (1) inspect Inspect internally and externally one (1) time  
 27 annually every high pressure steam boiler and steam generating apparatus;

28           (2) Inspect externally one (1) time annually and internally one  
 29 (1) time every three (3) years every low pressure steam heating boiler to the  
 30 extent permitted by the design and construction of the boiler;

31           ~~(3) The chief inspector or his deputy shall also inspect~~ Inspect  
 32 one (1) time biennially every unfired pressure vessel located in this state  
 33 which is not excepted from the inspections by the provisions of this chapter;  
 34 and

35           ~~(4) shall give~~ Give the owner or operator of the boiler notice  
 36 of the time when ~~the~~ an internal inspection will be made.

1  
 2 SECTION 4. Arkansas Code § 20-23-301(a), pertaining to boiler and  
 3 pressure vessel permits, is amended to read as follows:

4 (a)(1) No owner or user of a boiler or pressure vessel or engineer or  
 5 fireman in charge of ~~it~~ a boiler or pressure vessel shall operate or allow ~~it~~  
 6 the boiler or pressure vessel to be operated without a certificate of  
 7 inspection issued by the Director of the Department of Labor or shall allow a  
 8 greater pressure in ~~it~~ the boiler or pressure vessel than is allowed by the  
 9 certificate of inspection.

10 (2)(A) All boilers and pressure vessels installed or in  
 11 operation in this state shall conform to those regulations and standards that  
 12 shall from time to time be adopted by the Boiler Inspection Division with the  
 13 approval of the director.

14 (B) The regulations and standards shall not exceed those  
 15 set out in the several sections of the Boiler Code of the American Society of  
 16 Mechanical Engineers and shall have the force of law immediately upon their  
 17 approval by the director.

18 (3) No person shall operate or cause to be operated any boiler  
 19 or unfired pressure vessel on which the certificate of inspection has been  
 20 suspended or the operation of which has been forbidden by an inspector as  
 21 provided in §§ 20-23-203, 20-23-306, 20-23-310, 20-23-401, and 20-23-402.

22 (4) All pressure piping installed in this state shall conform to  
 23 those regulations and standards that shall from time to time be adopted by  
 24 the division with the approval of the director. The regulations and standards  
 25 shall not exceed those set out in the American Society of Mechanical  
 26 Engineers Code for Pressure Piping, Power Piping Code, B31.1.

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 28 SECTION 5. Arkansas Code § 20-23-402(a), pertaining to inspections by  
 29 insurance companies, is amended to read as follows:

30 (a) Boiler inspectors employed by insurance companies which are  
 31 authorized to insure boilers in this state shall hold certificates of  
 32 competency issued by the Boiler Inspection Division as provided in this  
 33 section and shall:

34 (1) ~~inspect~~ Inspect internally and externally at least once  
 35 annually all high pressure steam boilers insured by their respective  
 36 companies;

1                   (2) Inspect externally one (1) time annually and internally one  
2 (1) time every three (3) years every low pressure steam heating boiler  
3 insured by their respective companies; and  
4                   (3) except that Inspect unfired pressure vessels shall be so  
5 inspected biennially.

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