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**IDAPA 17
TITLE 06
CHAPTER 02**

17.06.02 - BOILER AND PRESSURE VESSEL SAFETY RULES -- ADMINISTRATION

000. LEGAL AUTHORITY.

These rules are promulgated pursuant to the authority granted the Industrial Commission by Sections 72-508, 72-720, 72-721, 72-722, and 72-723, Idaho Code. (7-1-97)

001. TITLE AND SCOPE.

These rules shall be cited as IDAPA 17.06.02, "Boiler and Pressure Vessel Safety Rules - Administration," and shall be applicable to all boilers, pressure vessels, water heaters, hot water storage tanks, and nuclear components manufactured or installed in the state of Idaho, except those specifically exempted in these rules. (7-1-97)

002. WRITTEN INTERPRETATIONS.

There are no written statements which pertain to the interpretation of these rules. (7-1-97)

003. ADMINISTRATIVE APPEALS.

There are no provisions for administrative appeal of these rules. The procedure for appeals in safety matters is prescribed by Sections 72-722 and 72-714 through 72-718, Idaho Code. (7-1-97)

004. -- 009. (RESERVED).

010. DEFINITIONS.

For definitions refer to IDAPA 17.06.01, "Boiler and Pressure Vessel Safety Rules - General Requirements," Section 010. (7-1-97)

011. INCORPORATION BY REFERENCE.

The following safety standards are incorporated by reference. These standards are available for review at the Division of Building Safety, 1090 Watertower, Meridian, Idaho, between the hours of 8 a.m. and 5 p.m., except Saturday, Sunday, and legal holidays. (3-15-02)

01. National Board Inspection Code. The National Board Inspection Code 2001; parts RA, RB, RC, RD; Mandatory Appendices 1, 2, 3, 4, 5, 6, 7; and Non-mandatory Appendices A, B, C, D, E, F, and G are adopted for use in Idaho in all matters dealing with boilers, pressure vessels, and nuclear components. (3-15-02)

02. ASME Boiler And Pressure Vessel Code. The ASME Boiler and Pressure Vessel Code 2001; Sections I, II, III, IV, V, VI, VII, VIII, IX, X, and XI are adopted for use in Idaho in all matters dealing with boilers, pressure vessels, and nuclear components. (3-15-02)

03. ASME CSD-1. The ASME CSD-1 1997, Controls and Safety Devices for Automatically Fired Boilers. (4-5-00)

04. ASME B31.1. The ASME B31.1 1997, Power Piping Standard (As it applies directly to boilers). (4-5-00)

05. API 510. The API 510 2000, Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alteration. (3-15-02)

06. API RP 572. The API RP 572 2001, Inspection of Pressure Vessels. (3-15-02)

07. API RP 576. The API RP 576 2000, Inspection of Pressure-Relieving Devices. (3-15-02)

012. CONSTRUCTION.

01. New Installations. All new boilers, pressure vessels, nationally listed water heaters, hot water storage tanks, and nuclear components, unless otherwise exempt, to be shipped, installed, or operated in the state of

Idaho shall be designed, constructed, inspected, stamped, and installed in accordance with the ASME code, the latest addenda, and code cases, and standards accepted by the National Board thereto in effect, and these rules. Any new boilers, pressure vessels, nationally listed water heaters, hot water storage tanks, and nuclear components, exempted from the requirements of the ASME Code by the ASME Code as accepted by the National Board shall have satisfied the requirements of this section, except to the extent these rules establish additional local requirements on inspection, registration, and installation. (4-5-00)

02. Manufacturer's NB Number. Boilers, pressure vessels, and nuclear components for which an ASME (or other codes and standards accepted by the National Board) Manufacturer's Data Report is required shall bear the manufacturer's "NB" number as registered with the National Board and/or an ASME code stamp as applicable. A copy of the Manufacturer's, Data Report signed by the manufacturer's representative and the National Board authorized inspector shall be filed with the National Board and a copy filed with the Department for all boilers, pressure vessels, and nuclear components manufactured in or shipped into Idaho. (4-5-00)

03. Idaho Registration Number. All boilers, pressure vessels, water heaters, hot water storage tanks, and nuclear components, unless exempted by these rules shall have a state of Idaho registration number permanently affixed to the object by a state of Idaho commissioned Boiler and Pressure Vessel Inspector. (4-5-00)

013. (RESERVED).

014. NOTIFICATION.

01. Prior To Installation. Before a new or secondhand boiler, pressure vessel, or nuclear component is installed in the state of Idaho notification shall be filed with the Department. (4-5-00)

02. Upon Change In Status Of Insurance Coverage. All insurance companies shall notify the Department, within thirty (30) days of all boilers, pressure vessels, or nuclear systems on which insurance is written, discontinued, canceled, not renewed, or suspended because of unsafe conditions. (4-5-00)

03. Upon Occurrence Of Accident. When an accident occurs to a boiler, pressure vessel, or nuclear system, the owner or user shall promptly notify the Department and submit a detailed report of the accident. In the event of a personal injury or any explosion, notice shall be given immediately by telephone, fax, E-Mail, or messenger, and neither the boiler, pressure vessel, nuclear system, nor any parts thereof shall be removed or disturbed before permission has been given by the inspector of record, except for the purpose of saving human life and limiting consequential damage. The insurer of record shall provide the Department a written report of the findings as to cause of the accident. (4-5-00)

015. INSPECTION.

01. Inspection By A Person Holding A Certificate Of Competency. All boilers, pressure vessels, water heaters, hot water storage tanks, and nuclear components installed or operated in the state of Idaho shall have an inspection conducted by a person holding a certificate of competency and an Idaho Commission, in accordance with IDAPA 17.06.03, "Boiler and Pressure Vessel Safety Rules - Inspections," Subsection 011.06, which must result in the issuance of a certificate of inspection before such vessel is placed into operation. Only if the boiler, pressure vessel, water heater, hot water tank, or nuclear component is safe in the judgment of the boiler and pressure vessel inspector, following a thorough inspection may a certificate of inspection be issued. If in the opinion of the inspector the boiler, pressure vessel, or nuclear component is unsafe, the inspector shall prohibit the use of the boiler, pressure vessel, or nuclear component until it is made safe. (3-15-02)

02. Inspection Of Non ASME Vessels. Any non ASME pressure vessel not exempted by these rules shall be inspected and tested under the provisions of API 510 standards. These inspections and tests shall be accomplished every three (3) years unless the inspector, the Idaho Industrial Commission or its designated representative deems that more frequent testing is needed. Inspections and tests shall be accomplished by a testing laboratory approved by the Idaho Industrial Commission or its designated representative. (3-15-02)

016. EXEMPTIONS.

01. Boilers Or Pressure Vessel With Nominal Capacity. Listed or approved boilers (hot water heaters) or pressure vessels (hot water tanks) with a nominal water capacity of one hundred twenty (120) gallons or less, having a heat input of two hundred thousand (200,000) BTUs per hour or less, used for hot water supply at a pressure of one hundred sixty (160) pounds per square inch or less, and at temperatures of two hundred (200) degrees Fahrenheit or less and equipped with an approved ASME Temperature-Pressure Relief valve. (4-5-00)

02. Certain Pressure Vessels Containing Compressed Gas. Pressure vessels used for transportation and storage of compressed gasses when constructed in compliance with specifications of the U.S. Department of Transportation and when charged with the gas marked, maintained, and periodically requalified for use, as required by appropriate regulations of the U.S. Department of Transportation. (4-5-00)

03. Air Tanks On Railroad Right-Of-Way. Air tanks installed on the right of way of railroads and used directly in the operation of trains. (4-5-00)

04. Small Capacity Vessels. Pressure vessels that do not exceed: five (5) cubic feet in volume; two hundred fifty (250) psig; one and one half (1 1/2) cubic feet in volume and six hundred (600) psig; or have an inside diameter of six (6) inches with no limitations on pressure. (4-5-00)

05. Low Pressure Vessels. Pressure vessels operating at a working pressure not exceeding fifteen (15) psig. (4-5-00)

06. Vessels With Nominal Water Capacity. Vessels with a nominal water containing capacity of one hundred twenty (120) gallons or less containing water under pressure of two hundred fifty (250) psi or less, with a water temperature of two hundred ten (210) degrees Fahrenheit or less, including those containing air, the compression of which serves only as a cushion. (4-5-00)

07. Vessels Owned And Operated By U.S. Government. Boilers, pressure vessels, and nuclear components owned and operated by the Federal Government. (4-5-00)

08. Boilers, Hot Water Heaters, And Other Pressure Vessels In Private Residences And Certain Apartment Houses. Listed heating boilers, hot water heaters, or pressure vessels, which are located in private residences or in apartment houses of less than six (6) family units. (4-5-00)

09. Pressure Vessels Containing Water Or Air For Private Residences And Certain Apartment Houses. Pressure vessels containing only water under pressure for domestic purposes, including those containing air, the compression of which serves only as a cushion or air lift pumping system, when located in private residences or in apartment houses of less than six (6) family units. (4-5-00)

10. Low Pressure Chillers. Chillers operating at pressures of fifteen (15) psig or less. (4-5-00)

017. (RESERVED).

018. REPORTS.

Whenever an inspection is made by a person holding a certificate of competency and an Idaho Commission, a copy of the inspection report must be filed with the Department within thirty (30) days from the date of the inspection. Such inspection reports shall be submitted on forms provided by the Department. (4-5-00)

019. POSTING CERTIFICATES OF INSPECTION.

Certificates of inspection issued for boilers shall be posted under glass or similarly protected, in the room containing the boiler. Certificates issued for pressure vessel shall be posted in like manner, if convenient, or filed where they will be readily available for examination. (4-5-00)

020. PROCEDURES FOR COMPLETING THE CERTIFICATE OF INSPECTION.

01. Previous Certificate No./State ID No. Enter the six (6) digit serial number from the previous inspection certificate or the number issued by the state of Idaho for that specific object. Where a previous certificate number or State ID number does not exist, leave this block blank. (This block assists us in tracking Certificates of

- Inspection by computer.) (4-5-00)
- 02. Type Of Object.** Enter the type of object that is being inspected (boiler, pressure vessel, water heater, hot water storage tank, or nuclear component). (4-5-00)
- 03. Type Of Inspection.** Indicate whether this was an external or internal inspection. (4-5-00)
- 04. Date Of Inspection.** Enter the date the inspection was actually conducted. (4-5-00)
- 05. Object No.** Enter the number that identifies a particular object at the users location that corresponds with the certificate issued. It may be the National Board number or locally assigned number. (4-5-00)
- 06. External, Next Due Date.** Enter the date that the next inspection is due. If it does not require inspecting, enter "NA" for not applicable. Otherwise, bring forward the due date from the previous certificate for the inspection not performed. (4-5-00)
- 07. Internal, Next Due Date.** Enter the date that the next inspection is due. If it does not require inspecting, enter "NA" for not applicable. Otherwise, bring forward the due date from the previous certificate for the inspection not performed. (4-5-00)
- 08. Inspected By.** Enter the name of the insurance carrier that insures the object certified. (4-5-00)
- 09. Name Of Policy Holder.** Enter the name of the person, company, association, etc. that holds the insurance policy for the certified object. (4-5-00)
- 10. Name Of Owner And User.** Enter the name of the person, company, association, etc. that owns and uses the object. If the owner and user are different, then both names must be entered. (4-5-00)
- 11. Address Of Owner.** Enter the mailing address of the object owner/user. (4-5-00)
- 12. Location Of Object.** Enter the physical location of the object which includes street location, city/town/municipality, county, and zip code. (4-5-00)
- 13. Type.** Indicate the type of object, e.g., fire tube, cast iron, etc. (4-5-00)
- 14. Date Built.** Enter the date the object was built or manufactured if known, otherwise, leave blank. (4-5-00)
- 15. Manufacturer.** Enter the name of the company that built or manufactured the certified object. (4-5-00)
- 16. Use.** Enter the primary use of the object. (4-5-00)
- 17. Fuel.** For boilers or fired pressure vessels, enter the type of fuel used to fire the boiler or fired pressure vessel. For unfired pressure vessels, enter "NA" for not applicable. (4-5-00)
- 18. Method Of Firing.** For boilers or fired pressure vessels, enter how the boiler or fired pressure vessel is fired. For unfired pressure vessels, enter "NA" for not applicable. (4-5-00)
- 19. Pressure Not To Exceed.** Enter the maximum pressure that the object may be operated at in pounds per square inch. (4-5-00)
- 20. Safety Relief Valve Set At.** Enter the pressure that the safety valve will function for the object. (4-5-00)
- 21. Number Of Valves Installed.** Enter the number of safety valves installed for the object. (4-5-00)

- 22. Capacity (Boiler).** Enter the capacity of the object. If not applicable, enter "NA". (4-5-00)
- 23. Capacity (BTU/LBS HR Safety Valve).** Enter the capacity of the safety valve(s). If not applicable, enter "NA". (4-5-00)
- 24. Hydro Test Date.** Enter the date that the last hydrostatic test was performed. (4-5-00)
- 25. PSI.** Enter the pounds per square inch that the hydrostatic test was performed at. (4-5-00)
- 26. Is Condition Of Object Such That A Certificate May Be Issued.** Enter "yes" or "no". If the entry is "no" explain in the comments and/or requirements section. Both the white and yellow copies of the Certificate of Inspection will be returned to the Division of Building Safety. The Division will notify the Industrial Commission that a Certificate of Inspection was not issued and the reasons why. If the answer is yes, only write in the comments block if there are recommendations, requirements, or restrictions. Do not write "No adverse or hazardous conditions noted" in this block. Our computer system will flag this as a recommendation, requirement, or restriction. (4-5-00)
- 27. Comments And/Or Requirements.** Only enter comments, requirements, or restrictions that may apply to the certified object. Do not enter any information in this area that does not pertain to an existing requirement, recommendation, or restriction. (4-5-00)
- 28. Inspector.** Enter the name of the inspector who performed the inspection for certification of the object. The inspector's name must appear here as it appears on the inspectors Idaho Identification Card. (4-5-00)
- 29. Idaho Identification Card #.** Enter the serial numbers from the inspectors Idaho Identification Card. If the Identification Card # is not registered as a current year Idaho commission number, the inspection shall be considered invalid, the certificate of inspection shall be revoked, a letter shall be sent to the owner/user and to the inspecting company to inform them of the situation, and a new inspection shall be performed upon issue of a current year Idaho commission. (4-5-00)
- 30. White Copy Of Certificate.** The white copy of the Certificate of Inspection will be posted in a conspicuous place in the room containing the object. If the object is not certifiable, the white copy shall be sent to the Division of Building Safety. (4-5-00)
- 31. Yellow Copy Of Certificate.** The yellow copy of the Certificate of Inspection shall, in all cases, be sent to the Division of Building Safety. (4-5-00)
- 32. Pink Copy Of Certificate.** The pink copy is the inspector's file copy. (4-5-00)
- 021. -- 999. (RESERVED).**

IC-7001



STATE OF IDAHO
INDUSTRIAL COMMISSION
and
DIVISION OF BUILDING SAFETY
Statehouse Mall
Boise, ID 83720-3049

CERTIFICATE SERIAL No.
000000

CERTIFICATE OF INSPECTION

(BOILER/PRESSURE VESSEL/WATER HEATER/HOT WATER STORAGE TANKS/NUCLEAR COMPONENT)

PREVIOUS CERTIFICATE/STATE ID # 01 DATE OF INSPECTION: 04 12
TYPE OF OBJECT: 02 OBJECT #: 06
TYPE OF INSPECTION: 03 EXTERNAL NEXT DUE DATE: 06
INTERNAL NEXT DUE DATE: 07

THIS IS TO CERTIFY THAT THE DESCRIBED OBJECT WAS INSPECTED BY:

08
Name of Insurance Company
Name of Policy Holder: 09
Name of Owner/User: 10
Address of Owner: 11
Street City Zip
Location of Object: 12
Street Address City County Zip
Type: 13 Date Built: 14
Manufacturer: 15
Use: 16 Fuel: 17 Method of Firing: 18
May be Operated at a Pressure Not to Exceed 19 Pounds Per Square Inch.
Safety Relief Valve Set at: 20 No. of Valves Installed: 21
CAPACITY: Boiler: 22 BTU/LBS HR Safety Valve: 23
Hydro Test Date: 24 PSI: 25
Is condition of object such that a certificate may be issued: 26

COMMENTS AND/OR REQUIREMENTS:

27

INSPECTOR: 28 IDAHO IDENTIFICATION CARD #: 29

POST THIS IN A CONSPICUOUS PLACE IN THE ROOM CONTAINING BOILER OR VESSEL
(Certificate must be posted under glass or similarly protected.)

WHITE - Posted at location

YELLOW - Division of Building Safety

PINK - Inspector

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