



Protection of life, health, safety and welfare of Arizona's most valuable assets.

# THE INDUSTRIAL COMMISSION OF ARIZONA

## DIVISION OF OCCUPATIONAL SAFETY & HEALTH



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### ARIZONA BOILER SAFETY POLICY MEMORANDUM

Replacement of boiler pressure retaining parts (Tubes, Heat Exchangers)	<b>Effective date</b>	<b>RETROACTIVE</b>

To: State & Special Inspectors, Owners, Users, Responsible Parties, Contractors, Installers, Suppliers  
From: Randall Austin, Chief Boiler Inspector  
Date: September 4, 2014

This memo serves to clarify the requirements of Arizona Boiler Rules with regards to the replacement parts of pressure retaining items, such as those used in heating boilers, hot water supply boilers, and lined water heaters.

The State of Arizona Boiler Rule state:

R20-5-404(A)

1. An owner or user, of a boiler installed, repaired, replaced, or reinstalled in Arizona, six months after the effective date of this Article shall comply with the 2007 ASME Boiler and Pressure Vessel Code, Sections I, II, IV, V, VIII Division 1, 2, 3, IX, and B31.1 Power Piping, and addenda as of July 1, 2007, incorporated by reference.
2. An owner or user, of a boiler, lined hot water heater or pressure vessel installed, repaired, replaced, or reinstalled in Arizona, before the effective date of this Article shall comply with subsection (A)(1), or the ASME Boiler and Pressure Vessel Code in effect at the time of the last installation, repair, replacement, or reinstallation of the boiler, lined hot water heater or pressure vessel in Arizona.

In order for a boiler, or a lined hot water heater to maintain its ASME Certification after installation, all pressure retaining parts shall be replaced, or repaired with parts meeting the original code of construction specifications. Furthermore these pressure retaining parts shall be stamped with mandatory designated ASME marks as required by the original code of construction, and documented on the appropriate ASME form as applicable. Reference ASME forms, H-2, H-3, H-4, HLW-6, and HLW-7.

This includes boiler tubes, headers, nuts & bolts, gaskets and any other parts certified by the original manufacturer as meeting ASME Code, and listed on the original manufacturer's data report. It is not only illegal, but could also be a health and safety risk if non-certified parts are installed.

For further questions regarding ASME construction, and repair of hot water heating boilers, hot water supply boilers, and lined water heaters, please contact the Chief Boiler Inspector at (602) 542-1648.