

## SPECIAL NOTICE

### To the Users of ASME Boiler and Pressure Vessel Code Code Case 2199, 2199-1, 2199-2, and 2199-3 2.25Cr-1.6W-V-Cb Material (Section I)

It has recently come to the attention of ASME that a potential issue exists with 2.25Cr-1.6W-V-Cb material (Grade 23) covered under ASME Boiler and Pressure Vessel (BPV) Code Case 2199 and subsequent revisions to the Code Case (Code Cases 2199-1, 2199-2, and 2199-3) for use in BPV Section I power boiler construction. A large percentage of this material installed in boilers has been in the form of boiler tubing. Applications include standard fossil fuel type boilers, Heat Recovery Steam Generators (HRSGs), and other equipment. In the fossil fuel type boilers, the tubing has been used in furnace walls as well as in superheater and reheater assemblies. In the HRSGs, the tubing has been used predominantly in high temperature superheater and reheater applications. Information was presented to ASME that showed that some heats of the 2.25Cr-1.6W-V-Cb material could meet the chemistry requirements specified in the Code Case but they could not achieve the specified mechanical properties following normalizing heat treatment. The issue is related to the hardenability of the material in that for certain heats of the material, the microstructure needed to achieve the specified mechanical properties might not be developed. In the absence of the appropriate microstructure, the properties of the material at elevated temperatures may be lower than those anticipated and a possibility exists, therefore, that a component fabricated from this material might not realize its expected service life. A revision to the Code Case (Code Case 2199-4) that modifies the requirements for chemical composition has been approved by the cognizant ASME Committee. For these reasons, Code Case 2199-4 should now be used, and the use of Code Cases 2199, 2199-1, 2199-2, and 2199-3 should be discontinued immediately. Code Case 2199-4 will be published in Supplement 9: Code Cases — Boilers and Pressure Vessels (2007 Edition), estimated for issuance on June 24, 2009; until issuance of Supplement 9, Code Case 2199-4 will be available to view from ASME's Web site at:

[http://www.asme.org/Codes/Publications/BPVC/Code\\_Cases\\_Boiler\\_Pressure.cfm](http://www.asme.org/Codes/Publications/BPVC/Code_Cases_Boiler_Pressure.cfm)

Any questions with regard to this notice should be referred to:

Mr. Gerald M. Eisenberg  
Director, Pressure Technology Codes & Standards  
ASME  
1.212.591.8510  
eisenbergg@asme.org

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS  
Three Park Avenue, New York, NY 10016-5990

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