

American Nuclear Society

REAFFIRMED

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**auxiliary feedwater system
for pressurized water reactors**

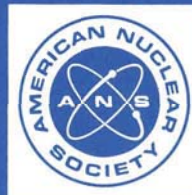
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This standard does not necessarily reflect recent industry initiatives for risk informed decision-making or a graded approach to quality assurance. Users should consider the use of these industry initiatives in the application of this standard.

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Auxiliary Feedwater System
for Pressurized Water Reactors**

Secretariat
American Nuclear Society

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American National Standard

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Addendum to Foreword

ANSI/ANS-51.10-1991; R2002

Auxiliary Feedwater System for Pressurized Water Reactors

This standard has been reviewed and reaffirmed by the ANS Nuclear Facilities Standards Committee (NFSC) with the recognition that it may reference other standards and documents that may have been superseded or withdrawn. The requirements of this document are met by using the version of the standards and documents referenced herein. It is the responsibility of the user to review each of the references cited and to determine whether the use of the original references or more recent versions is appropriate for the facility. Variations from the standards and documents referenced in this standard should be evaluated and documented.

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Foreword

(This Foreword is not a part of American National Standard for Auxiliary Feedwater System for Pressurized Water Reactors, ANSI/ANS-51.10-1991.)

This standard is applicable to pressurized light water reactor nuclear power plants.

The standard was originally issued in 1979 and has been extensively updated to reflect current regulatory directives, industry practice and experience, and available design guidance.

Among the major revisions incorporated in this issue of the standard is station blackout (i.e., the loss of all alternating current power sources). A requirement is included that the system be capable of operating for a plant specific duration with the loss of all alternating current power sources. The rationale for this requirement and the method of determining the plant specific duration are identified in Title 10, Code of Federal Regulations, Part 50.63, "Loss of All Alternating Current Power." In the 1979 edition of this standard, a generic duration of two hours was identified and no rationale was included.

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