

American Nuclear Society

REAFFIRMED

July 23, 2002
ANSI/ANS-51.10-1991
(R2002)

**auxiliary feedwater system
for pressurized water reactors**

an American National Standard

This standard has been reviewed and reaffirmed with the recognition that it may reference other standards and documents that may have been superseded or withdrawn. The requirements of this document will be 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 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.

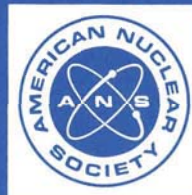
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REAFFIRMED

October 14, 2009
ANSI/ANS-51.10-1991
(R2008)

REAFFIRMED

August 13, 2018
ANSI/ANS-51.10-1991 (R2018)



published by the
American Nuclear Society
555 North Kensington Avenue
La Grange Park, Illinois 60525 USA

ANSI/ANS-51.10-1991
Revision of
ANSI/ANS-51.10-1979

**American National Standard
Auxiliary Feedwater System
for Pressurized Water Reactors**

Secretariat
American Nuclear Society

Prepared by the
American Nuclear Society
Standards Committee
Working Group ANS-51.10

Published by the
American Nuclear Society
555 North Kensington Avenue
La Grange Park, Illinois 60525 USA

Approved May 10, 1991
by the
American National Standards Institute, Inc.

American National Standard

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Published by

American Nuclear Society
555 North Kensington Avenue, La Grange Park, Illinois 60525 USA

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Printed in the United States of America

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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Contents	Section	Page
	1. Introduction and Scope	1
	1.1 Scope	1
	1.2 Purpose	1
	1.3 Limits of Application	1
	2. Definitions	1
	3. System Functions	2
	4. System Definition	2
	4.1 Description of Auxiliary Feedwater System (AFS)	2
	5. System Performance Requirements	2
	5.1 Performance Parameters	2
	5.2 Redundancy and Diversity Requirements	8
	6. Design Requirements	11
	6.1 Safety Class and Applicable Codes, Standards or Regulations	11
	6.2 Conditions of Design	12
	6.3 Interface	12
	6.4 Testing, Inspection and Maintenance Requirements	13
	6.5 Design Documentation	14
	7. References	14
	Appendix A System Descriptions	16
	Fig. A-1 Representative Auxiliary Feedwater System Arrangements	19
	Fig. A-2a Auxiliary Feedwater System 2 Loop	20
	Fig. A-2b Auxiliary Feedwater System 4 Loop	20
	Appendix B Background and Application Guidance on Design Requirements	21