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American National Standard Overpressure Protection of Low Pressure Systems Connected to the Reactor Coolant Pressure Boundary

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American Nuclear Society

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Foreword

(This Foreword is not a part of American National Standard Overpressure Protection of Low Pressure Systems Connected to the Reactor Coolant Pressure Boundary, ANSI/ANS-56.3-1977)

As stated in Section 1, Purpose and Scope, the purpose of this Standard is to specify minimum requirements for the overpressure protection of low pressure systems connected to the reactor coolant pressure boundary of light water-cooled nuclear power plants. This Standard applies only to the interaction of the low pressure system with the high pressure portion of the reactor coolant pressure boundary. The functional design of these systems is considered in other standards. This Standard does not cover high pressure systems [i.e., feedwater system on Boiling Water Reactors (BWR's), charging system on Pressurized Water Reactors (PWR's), or instrument lines] nor relief valves and their associated discharge piping connected to the reactor coolant pressure boundary. This Standard also does not override nor replace any other standard of code (i.e., containment isolation, residual heat removal systems, safety injection, ASME Boiler and Pressure Vessel, etc.), but should be used in conjunction with these standards or codes, since other system requirements must be considered in addition to the overpressure protection function.

This Standard has been prepared by Working Group ANS-56.3 (previously ANS-32.4 and ANS-55.4) of the American Nuclear Society. Work on this Standard was initiated in July, 1973 with this being the 9th working draft of the standard.

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