American Nuclear Society

REAFFIRMED

April 9, 2019
ANSI/ANS-8.21-1995; R2001; R2011; R2019

use of fixed neutron absorbers in nuclear facilities outside reactors

an American National Standard

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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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American National Standard for Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors

Secretariat
American Nuclear Society

Prepared by the
American Nuclear Society
Standards Committee
Working Group ANS-8.21

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American National Standard

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Foreword

(This Foreword is not a part of American National Standard for Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors, ANSI/ANS-8.21-1995.)

Nuclear criticality safety is an essential part of the safety assessment of a facility or an operation involving fissionable material. Designers, operators, safety professionals, regulators, and standard writing groups dealing with non-reactor nuclear facilities need to address nuclear criticality safety. This standard provides guidance for the use of fixed neutron absorbers as an integral part of nuclear facilities and fissionable material process equipment outside reactors, where such absorbers provide criticality control as required in a safety analysis.

This standard was drafted by Working Group ANS-8.21 of Subcommittee ANS-8 of the American Nuclear Society Standards Committee. The following members participated in the preparation of the standard:

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