American Nuclear Society

criticality safety criteria for the handling, storage, and transportation of LWR fuel outside reactors

an American National Standard

WITHDRAWN

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Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors

Secretariat
American Nuclear Society

Prepared by the
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Working Group ANS-8.17

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Foreword

(This Foreword is not a part of American National Standard Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors, ANSI/ANS-8.17-1984.)

Criticality safety is an important component in a comprehensive safety assessment of a facility or an operation involving fissile materials. Designers, operators and standards writing groups having concern with non-reactor nuclear facilities justifiably have occasion to address criticality safety. In order to avoid diverse and inadequate attention being given to the subject and in the interest of an orderly presentation that embodies criticality safety principles and practices consistent with existing ANS standards in the field of criticality safety, Subcommittee 8, Fissionable Materials Outside Reactors, of the ANS Standards Committee undertook the present work. The principal intent of the Work Group, ANS-8.17, has been to provide basic requirements that address the criticality safety aspects of a facility or operation and which can be referenced or used in conjunction with other safety standards or regulations to address the total safety and operational requirements. This standard presents criticality safety criteria applicable to the handling, storage, and transportation of light water reactor (LWR) fuel rods and elements outside a reactor core.

This standard was drafted by Work Group ANS-8.17 of Subcommittee 8 of the American Nuclear Society. The following members participated in the preparation:

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The American National Standards Committee N16, Nuclear Criticality Safety, which reviewed and approved this standard in 1983, had the following membership:

Dixon Callihan, Chairman
E. B. Johnson, Secretary

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