

# American Nuclear Society

## REAFFIRMED

December 8, 2006  
ANSI/ANS-8.22-1997  
(R2006)

**nuclear criticality safety based on  
limiting and controlling moderators**

## an American National Standard

## REAFFIRMED

November 11, 2011  
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**American National Standard  
for Nuclear Criticality Safety Based on  
Limiting and Controlling Moderators**

Secretariat  
**American Nuclear Society**

Prepared by the  
**American Nuclear Society  
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## **American National Standard**

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## Foreword

(This Foreword is not a part of American National Standard for Nuclear Criticality Safety Based on Limiting and Controlling Moderators, ANSI/ANS-8.22-1997.)

This standard has been in the draft stage for more than two decades with several different chairmen and several different working groups. The continuing effort over many years illustrates the consistent desire for a standard for moderation control. Diversity in the individuals in the working group and diversity in the organizations that the individuals represent have made this standard a tool that can be used throughout the complex. The interest in this standard is consistently demonstrated by the large attendance at the working group meetings and by the large membership of the current Working Group ANS-8.22. Many ideas have been brought before the working group ranging from publication of definitive limits to a standard for general guidance specific to limiting and controlling moderators.

This new standard was prepared by Working Group ANS-8.22 of Subcommittee 8 of the Standards Committee of the American Nuclear Society. This working group was composed of:

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Working Group ANS-8.22 specifically recognizes R. L. Oxenham for his efforts in preparation of this standard. This standard is dedicated in his memory.

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