



Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants

An American National Standard

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**American National Standard
Design Requirements for New Fuel Storage
Facilities at Light Water Reactor Plants**

Secretariat
American Nuclear Society

Prepared by the
**American Nuclear Society
Standards Committee
Working Group ANS-57.3**

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Foreword

(This foreword is not a part of American National Standard “Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants,” ANSI/ANS-57.3-2018, but is included for informational purposes.)

This standard establishes minimum design requirements for the designer of new fuel dry storage facilities at water-cooled nuclear power plants. It provides general guidelines and specific design parameters that could assist in both the design and licensing efforts if used. However, the designer is not relieved of the responsibility for complying with specific construction codes referenced herein. U.S. Nuclear Regulatory Commission regulations and guidance exist that contain information useful in designing systems and components. This standard was developed under sponsorship of the American Nuclear Society and was first approved in 1983. In this revision, there have been some significant changes and some reorganization. Of note are simplification of the sections on seismic events and criticality. A new section on quality assurance was added. Also, this standard was revised to address only dry storage of new fuel. Storage of new fuel in a spent fuel pool (wet storage) is covered by ANS-57.2.

This standard was prepared by the ANS-57.3 Working Group of the American Nuclear Society Standards Committee. The ANS-57.3 Working Group had the following membership during its work on this standard:

R. Browder (Chair), *Duke Energy*
B. Gutherman (Vice Chair), *Gutherman Technical Services, LLC*

T. N. Ake, *AREVA Federal Services, LLC*
M. J. Atkins, *Worley Parson (semi-retired)*
D. W. Lewis, *WECTEC*
C. Lobscheid, *Advent Engineering Services, Inc.*
J. V. Massey, *California Maritime Academy (retired)*
M. W. Peres, *Fluor Enterprises, Inc.*
M. P. Sanders, *Westinghouse Electric Company, LLC*
M. E. Stasko, *Duke Energy*

The New and Used Fuel (Design Only) Subcommittee had the following membership at the time of its approval of this standard:

R. Browder, *Duke Energy*
M. W. Peres, *Fluor Enterprises, Inc.*

The Fuel, Waste, and Decommissioning Consensus Committee (FWDCC) had the following membership at the time of its approval of this standard:

D. Hillyer (Chair), *Energy Solutions*
J. F. Lucchini (Vice Chair), *Los Alamos National Laboratory*

S. Bader, *AREVA Federal Services, LLC*
J. Brault, *Individual*
D. R. Eggett, *Individual*
H. Felsher, *U.S. Nuclear Regulatory Commission*
J. Jansen Vehec, *Individual*
D. W. Lewis, *WECTEC*
C. Miller, *Pacific Gas & Electric Company*
M. Sanders, *Westinghouse Electric Company, LLC*
S. Schilthelm, *BWXT, Inc.*
M. E. Stasko, *Duke Energy*

FWDCC Observer:
A. Kota, *Individual*

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