American Nuclear Society

estimating tornado, hurricane, and extreme straight line wind characteristics at nuclear facility sites

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American National Standard Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites

Secretariat
American Nuclear Society

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Standards Committee
Working Group ANS-2.3

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Foreword

(This Foreword is not a part of American National Standard "Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites," ANSI/ANS-2.3-2011.)

This standard is a revision to ANSI/ANS 2.3-1983, "Standard for Estimating Tornado and Extreme Wind Characteristics at Nuclear Power Sites." The revision of the 1983 standard began in May of 2005. In this revision, the scope of the standard was expanded to include hurricane wind characteristics. A change to the Fujita damage scale as a function of wind velocities, adopted in 2007 by the National Weather Service, resulted in the wind speeds associated with the Fujita damage scale being replaced by the Enhanced Fujita Scale as shown in Table 1. Also included in the scope expansion is the applicability of this standard to all nuclear facility sites, not just nuclear power plant sites.

This standard might reference documents and other standards that have been superseded or withdrawn at the time the standard is applied. A statement has been included in the reference section that provides guidance on the use of references.

This standard does not incorporate the concepts of generating risk-informed insights, performance-based requirements, or a graded approach to quality assurance. The user is advised that one or more of these techniques could enhance the application of this standard.

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J. D. Stevenson (Chair), *Individual*

M. Amin, *Sargent & Lundy Engineers*
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J. Kimball, *Defense Nuclear Facilities Safety Board*
C. A. Mazzola, *Shaw Environmental & Infrastructure, Inc.*
J. R. McDonald, *Individual*
S. K. Samaddar, *U.S. Nuclear Regulatory Commission*
E. Simiu, *National Institute of Standards and Technology*

Subcommittee ANS-25, Site Characteristics, had the following membership at the time it approved the standard:

K. R. Bryson (Chair), *Shaw Environmental, Inc.*
C. A. Mazzola (Vice Chair), *Shaw Environmental & Infrastructure, Inc.*

J. Beavers, *Individual*
J. Bollinger, *Savannah River National Laboratory*
C. Costantino, *Individual*
W. Dornsife, *Waste Control Specialists*
A. Findikakis, *Bechtel Corporation*
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J. D. Stevenson, *Individual*
L. Vail, *Pacific Northwest National Laboratory*
S. Vigeant, *Shaw Environmental & Infrastructure, Inc.*
I. Wong, *URS Corporation*

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R. M. Ruby (Vice Chair), *Constellation Energy Company*

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W. B. Reuland, *Individual*
J. C. Saldarini, *Bechtel Power Corporation*
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J. D. Stevenson, *Individual*
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M. J. Wright, *Entergy Operations, Inc.*
L. Zull, *Defense Nuclear Facilities Safety Board*

NFSC Liaison:

G. Hutcherson, *Institute of Nuclear Power Operations*
J. Riley, *Nuclear Energy Institute*

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