

*American National Standard for  
Public Swimming Pools*



*Approved March 10, 2003  
American National Standards Institute*

**ANSI  
NSPI-1 2003**

American National Standard  
for Public Swimming Pools

**Sponsor**

**National Spa and Pool Institute**

Approved March 10, 2003

**American National Standards Institute, Inc.**

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It is assumed and intended that pool users will exercise appropriate personal judgment and responsibility and that public pool owners and operators will create and enforce rules of behavior and warnings appropriate for their facility.

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**Foreword**

(This Foreword is not part of American National Standard ANSI/NSPI-1 2003)

The ANSI/NSPI-1 2003, *Standard for public swimming pools*, was approved by ANSI March 10, 2003, as a new standard.

The objective of this voluntary standard is to provide recommended minimum guidelines for the design, equipment, operation, and installation of new construction and renovation of public pools for builders, installers, and pool operators. It also is intended to assist government and other regulatory bodies in the development, promulgation, and enforcement of public pool criteria.

The design recommendations and construction practices in this standard are based upon sound engineering principles, research and field experience that, when applied properly, contribute to the delivery and installation of a safe product.

The words “safe” and “safety” are not absolutes. While the goal of this standard is to design and construct a safe, enjoyable product, it is recognized that risk factors cannot, as a practical matter, be reduced to zero in any human activity. This standard does not replace the need for good judgment and personal responsibility. In permitting use of the pool by others, owners must consider the skill, attitude, training, and experience of the expected user.

As with any product, the specific recommendations for installation and use provided by the manufacturer should be carefully observed.

This standard was prepared by the NSPI-1 Public Pool Standard Writing Committee of the National Spa and Pool Institute (NSPI) in accordance with American National Standards Institute (ANSI) *Procedures for the Development and Coordination of American National Standards* utilizing the ANSI accredited canvass method. Consensus approval was achieved by ballot of the NSPI-1 canvass list.

The proposed standard was made available for public review and comment, which provides an opportunity for additional input from industry, academia, regulatory agencies, and the public at large.

The following organizations, recognized as having an interest in the standardization of public swimming pools, were contacted prior to the approval of this standard. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

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In accordance with American National Standards Institute (ANSI) procedures, this document will be reviewed periodically. The National Spa and Pool Institute welcomes your comments and suggestions, and continues to review all NSPI standards, which include:

- ANSI/NSPI-1 2003 *Standard for public swimming pools*
- ANSI/NSPI-2 1999 *Standard for public spas*
- ANSI/NSPI-3 1999 *Standard for permanently installed residential spas*
- ANSI/NSPI-4 1999 *Standard for aboveground/onground residential swimming pools*
- ANSI/NSPI-5 2003 *Standard for residential inground swimming pools*
- ANSI/NSPI-6 1999 *Standard for residential portable spas*
- ANSI/NSPI-8 1996 *Model barrier code for residential swimming pools, spas and hot tubs*
- ANSI/NSPI/WWA-9 *Aquatic recreation facilities (In Progress)*
- ANSI/NSPI-10 *Standard for public swimspas (In Progress)*
- ANSI/NSPI-11 *Standard for residential swimspas (In Progress)*
- NSPI *Workmanship standards for swimming pools & spas*

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# ANSI/NSPI-1 2003

## Standard for Public Swimming Pools

### 1 Scope

**1.1 Public swimming pools.** This standard covers public swimming pools to be used for bathing and operated by an owner, licensee, or concessionaire, regardless of whether a fee is charged for use.

**1.1.1 Public swimming pools covered by this standard.** Public swimming pools covered by this standard include Class A pools (pools used for competitive aquatic sports), Class B and Class C pools, (pools intended for public or semi-public recreational swimming), and Class F pools (for wading). (See article 3 for definitions.)

**1.2 Variation in design.** This standard provides specifications for the design, equipment, operation, warning signs, installation, sanitation, new construction, and renovation of public swimming pools. This standard permits variations in equipment, materials, and design to accommodate special needs and considerations and advances in technology and to provide the required quality, strength, durability, and safety for the intended use.

**1.3 Renovation.** (See appendix H, Glossary.) Renovation does not include ordinary maintenance. Only those items that are renovated shall adhere to this standard.

### 2 Normative references

The following standards contain provisions that, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI/ASME A112.19.8M-1987 (1996), *Suction fittings for swimming and wading pools, spas, hot tubs, and whirlpool bathtub appliances*<sup>1</sup>

ANSI/ICC A117.1 (2003), *Standard on accessible and useable buildings and facilities*<sup>2</sup>

ANSI/NEMA-MG1-1998, *Motors and generators*<sup>3</sup>

ANSI/NSF 14 (2003), *Plastics piping system components and related materials*<sup>4</sup>

ANSI/NSF 50 (2001), *Circulation system components and related materials for swimming pools, spas/hot tubs*<sup>5</sup>

ANSI Z21.56-2001/CSA 4.7-2001, *Gas fired pool heaters*<sup>6</sup>

ACI 302.1R-96 (1996), *Guide for concrete floor and slab construction*<sup>7</sup>

Americans with Disabilities Act (ADA) *Accessibility guidelines for buildings and facilities; recreation facilities*<sup>8</sup>

ASME A112.1.2 (2002), *Air gaps in plumbing systems*<sup>9</sup>

ASTM 1346-91 (2003), *Standard performance specification for safety covers and labeling require-*

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<sup>2</sup>ANSI, previously listed

<sup>3</sup>National Electrical Manufacturers Association (NEMA), 1300 N. 17<sup>th</sup> Street, Suite 1847, Rosslyn, VA 22209 (703) 841-3200, [www.nema.org](http://www.nema.org)

<sup>4</sup>NSF International, 789 N. Dixboro Rd., Ann Arbor, MI 48113 (734) 769-8010, [www.nsf.org](http://www.nsf.org)

<sup>5</sup>NSF, previously listed

<sup>6</sup>ANSI, previously listed

<sup>7</sup>American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331, (248) 848-3800, [www.aci-int.org](http://www.aci-int.org)

<sup>8</sup>U.S. Architectural and Transportation Barriers Compliance Board, 1331 F Street, NW, Suite 1000, Washington, DC 20004, (202) 272-0080, [www.access-board.gov](http://www.access-board.gov)

<sup>9</sup>American Society of Mechanical Engineers (ASME), 3 Park Avenue, 20<sup>th</sup> Floor, New York, NY 10016, (212) 591-8562, [www.asme.org](http://www.asme.org)