New Zealand Standard

Pool Water Quality

Superseding NZS 5826:2000
COMMITTEE REPRESENTATION

This Standard was prepared under the supervision of the P 5826 Committee the Standards Council established under the Standards Act 1988.

The committee consisted of representatives of the following:

Nominating Organisation
Community Leisure Management
Institution of Professional Engineers New Zealand
Institute of Environmental Science & Research Ltd
Local Government New Zealand
Ministry of Education
Ministry of Health
New Zealand Chemical Industry Council Inc.
New Zealand Master Pool Builders Incorporated
New Zealand Principals' Federation
New Zealand Recreation Association
Water New Zealand
Water Safety New Zealand

ACKNOWLEDGEMENT

Standards New Zealand gratefully acknowledges the contribution of time and expertise from all those involved in developing this Standard.

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New Zealand Standard

Pool water quality

Superseding NZS 5826:2000
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REFERENCED DOCUMENTS

Reference is made in this document to the following:

NEW ZEALAND STANDARD

NZS 4441:2008  Swimming pool design Standard

JOINT AUSTRALIAN/NEW ZEALAND STANDARDS

AS/NZS 2927:2001  The storage and handling of liquefied chlorine gas
AS/NZS ISO 31000: 2009  Risk management – Principles and guidelines
AS/NZS 4276:-  Water microbiology

AUSTRALIAN STANDARD

AS 3633:1989  Private swimming pools – Water quality

INTERNATIONAL STANDARD


OTHER PUBLICATIONS


NEW ZEALAND LEGISLATION

Local Government Act 2002
Hazardous Substances and New Organisms (HSNO) Act 1996
Health and Safety in Employment (HSE) Act 2005

RELATED DOCUMENT

Although not referenced in this Standard the following document also contains helpful information:


WEBSITES

http://www.legislation.govt.nz
http://www.erm.govt.nz
http://www.osh.dol.govt.nz
LATEST REVISIONS

The users of this Standard should ensure that their copies of the above-mentioned New Zealand Standards are the latest revisions. Amendments to referenced New Zealand and Joint Australian/New Zealand Standards can be found on http://www.standards.co.nz

REVIEW OF STANDARDS

Suggestions for improvement of this Standard will be welcomed. They should be sent to the Chief Executive, Standards New Zealand, Private Bag 2439, Wellington 6140.
FOREWORD

This New Zealand Standard was prepared by the Standards New Zealand Technical Committee P 5826 Pool Water Quality, at the request of Local Government New Zealand, to update NZS 5826:2000 Pool water quality.

As an important public health Standard, this edition has been substantially revised and updated to reflect current knowledge, technology, and processes. This Standard is intended to be used by all pool owners and pool managers, and consists of two Parts:

(a) Part 1 contains water quality parameters to meet in order to claim compliance with the Standard;

(b) Part 2 incorporates a major change with the provision of guidance on the application of risk management principles to water quality and general pool management. This material may be used by a pool owner or pool manager to prepare a tailored pool risk management plan (PRMP), which will identify potential harmful events impacting on water quality, and indicate solutions.

The requirement in the Standard that pools have water quality risk management plans in operation is new. All public pools shall have risk management plans in place, and domestic pool owners should operate their pools in accordance with these principles.

Risk management plans ensure that swimming pools are operated as safely as possible, in order that the largest possible number of users benefits from these recreational water environments. Risk management principles and plans will be helpful to all pool owners and pool operators in understanding general pool management and maintenance, and should help pool managers ensure compliance and drive cost savings by taking all practicable steps, in proportion to the assessed risk, to eliminate, isolate, or minimise each risk to water quality.

Users of this Standard are reminded that it has no legal authority in its own right, but acquires legal standing when cited or referenced in legislation, or adopted by the Government or other authority having jurisdiction.

OUTCOME STATEMENT

This Standard will, through identification of all practicable steps, assist pool owners and pool managers to meet their responsibilities for public safety by providing robust and efficient pool water quality management systems that ensure that the water used in pools is maintained to safeguard health.
New Zealand Standard

Pool water quality

PART 1  POOL WATER QUALITY

1.1  Scope, objectives, and interpretation

1.1.1  Scope

NZS 5826 addresses the essential aspects of the operation and maintenance of pools with a focus on pool water quality criteria including methods of water treatment to ensure the risk to public health is minimised. NZS 5826 does not cover the maintenance of heating, mechanical, or electrical equipment used by pools. The design of swimming pools is covered by NZS 4441.

This Standard covers all treated public and private freshwater and seawater swimming pools, spa pools, and geothermal pools, during use.

1.1.2  Objectives

The purpose of this Standard is to ensure that:

(a) Chemical and microbiological levels are maintained to safeguard health;
(b) Water is aesthetically acceptable;
(c) Unnecessary discomfort is prevented;
(d) Degradation of the pool and associated equipment is minimised.

1.1.3  Interpretation

1.1.3.1

For the purposes of this Standard, the word ‘shall’ refers to requirements that are essential for compliance with the Standard, while the word ‘should’ refers to practices that are advised or recommended.

1.1.3.2

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix forms an integral part of the Standard. An ‘informative’ appendix is only for information and guidance.
NZS 5826:2010 Pool water quality

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