Australian/New Zealand Standard™

On-site domestic wastewater treatment units

Part 1: Septic tanks





AS/NZS 1546.1:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-013, On-site Domestic Wastewater Management. It was approved on behalf of the Council of Standards Australia on 16 May 2008 and on behalf of the Council of Standards New Zealand on 18 April 2008.

This Standard was published on 25 May 2008.

The following are represented on Committee WS-013:

Association of Accredited Certification Bodies (Australia)

Association of Rotational Moulders (Australasia)

Auckland Regional Council

Australian and New Zealand Clinical Waste Management Industry Group

Australian Industry Group

Australian Water Association, National On-site Systems Special Interest Group

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This Standard was issued in draft form for comment as DR 06927.

AS/NZS 1546.1:2008

Australian/New Zealand Standard™

On-site domestic wastewater treatment units

Part 1: Septic tanks

Originated in Australia as AS A178—1968.
Final Australian edition AS 1546—1990.
Originated in New Zealand as NZSS 758:1961.
Final New Zealand edition NZS 4610:1982.
AS 1546—1990 and NZS 4610:1982 jointly revised, amalgamated and redesignated AS/NZS 1546.1:1998.
Revised and reissued as AS/NZS 1546.1:2008.

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Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

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FOREWORD

This Standard is one of a series that has been revised by the Joint Standards Australia/Standards New Zealand Committee WS-013 on On-site Domestic Wastewater Management. It supersedes AS/NZS 1546.1:1998 On-site domestic wastewater treatment units Part 1: Septic tanks. The other Standards that have been revised by the committee are:

AS/NZS 1547:2000 On-site domestic-wastewater management;

AS/NZS 1546.2:2001 On-site domestic-wastewater treatment units Part 2: Waterless composting

toilets; and

AS/NZS 1546.3:2001 On-site domestic wastewater treatment units Part 3: Aerated wastewater

treatment systems.

There is a twofold objective in this Standard. The first is to provide a set of performance statements which define the requirements of a septic tank against which any septic tank may be assessed. The second is to provide manufacturers of septic tanks and associated fittings with basic manufacturing and test specifications. These will enable certification bodies to check that a product conforms to the Standard.

In this revision some changes have been made for the testing of plastic tank materials. There are separate tests for injection moulded tanks and rotationally moulded tanks. The tests are a normative requirement. There has also been detail offered for the estimation of sidewall loading on tanks.

It is the intention of the committee that the next revision of the Standard will include performance criteria and test methods for control of total suspended solids (TSS) in the effluent from the septic tank. The committee recommends a total suspended solids discharge level of less than or equal to 100 g/m³ be met.

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Published jointly by Standards Australia Ltd, GPO Box 476, Sydney, NSW 2001, Australia, and Standards New Zealand, Private Bag 2439, Wellington 6140, New Zealand.

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