Australian/New Zealand Standard[™]

On-site domestic wastewater treatment units

Part 3: Aerated wastewater treatment systems





AS/NZS 1546.3:2008

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 7 May 2008 and on behalf of the Council of Standards New Zealand on 12 April 2008. This Standard was published on 30 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 Business New Zealand Commerce Queensland Department of Conservation, New Zealand Department of Health and Community Services, Northern Territories Department of Health, South Australia Department of Health, Western Australia Department of Human, Services Victoria Department of Justice, Tasmania Engineers Australia Institute of Environmental Science and Research Ltd Institution of Professional Engineers New Zealand (IPENZ) Local Government New Zealand Master Plumbers and Mechanical Services Association of Australia Master Plumbers, Gasfitters and Drainlayers New Zealand Inc. Master Plumbers, New South Wales Ministry of Health, New Zealand National Precast Concrete Association of Australia New South Wales Health Department New Zealand Water and Wastes Association, Small Wastewater and Natural Systems Special Interest Group Queensland Department of Infrastructure and Planning Queensland Health Queensland University of Technology The University of Auckland Wastewater Practitioners' Association, Queensland

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This Standard was issued in draft form for comment as DR 06929.

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Originated in Australia and New Zealand as AS/NZS 1546.3:2001. Revised and reissued as AS/NZS 1546.3:2008.

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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 revised by the Joint Standards Australia/Standards New Zealand Committee WS-013 on On-site Domestic Wastewater Management. It supersedes AS/NZS 1546.3:2001 *On-site domestic wastewater treatment units* Part 3: *Aerated wastewater treatment systems*. The other Standards revised by the committee are:

AS/NZS 1547:2000	On-site domestic-wastewater management;
AS/NZS 1546.1:1998	On-site domestic wastewater treatment units Part 1: Septic tanks; and
AS/NZS 1546.2:2001	On-site domestic-wastewater treatment units Part 2: Waterless composting toilets.

This revision has minor wording changes and has included some requirements for the disinfection of effluent by a UV disinfection unit.

Aerated wastewater treatment systems covered by this Standard include processes of aeration, typically followed by clarification to achieve biological treatment of wastewater. The principles of the Standard may be applied to alternative treatment technologies, where approved by the regulatory authority.

The next revision may include testing for response and recovery rates for systems under conditions of contemporary power loss and for no loading when the house is unoccupied.

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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. 3

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