

Australian/New Zealand Standard™

**On-site domestic wastewater treatment
units**

**Part 3: Aerated wastewater treatment
systems**



Standards Australia



STANDARDS
NEW ZEALAND
Pūrongo Aotearoa

AS/NZS 1546.3:2001

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 17 August 2001 and on behalf of the Council of Standards New Zealand on 7 September 2001. It was published on 2 October 2001.

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Australian/New Zealand Standard™

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Part 3: Aereated wastewater treatment systems

First published as AS/NZS 1546.3:2001.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4187 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/13/4 Aerated Wastewater Treatment Systems which is a sub-Committee of WS/13 On-site Domestic-wastewater Management.

The application of this Standard does not circumvent approvals, licenses or permits necessary from any relevant regulatory authority.

Aerated wastewater treatment systems covered by this Standard include extended aeration activated sludge units, biofilters and rotating biological contactors. Aerated wastewater treatment systems utilising extended aeration processes have been known as “aerated septic tanks” or “household sewage treatment plants” in Australia and “home aeration plants” or “household package plants” in New Zealand.

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 is an integral part of a Standard, whereas an ‘informative’ appendix is for information and guidance only.

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Part 3 : Aerated wastewater treatment systems

1 GENERAL**1.1 Objective**

The objectives of this Standard are to provide:

- (a) A set of performance statements which define the requirements of an aerated wastewater treatment system;
- (b) A basis against which an aerated wastewater treatment system may be assessed;
- (c) Manufacturers of aerated wastewater treatment systems with basic specifications that will enable the testing agency to check that a product conforms to the Standard;
- (d) Purchasers of an aerated wastewater treatment system with confidence that the system will perform as checked by a testing agency.

1.2 Scope and interpretation**1.2.1** *Scope*

This Standard sets out performance requirements, design requirements, means of compliance, installation requirements, requirements for operation and maintenance and specifications for testing aerated wastewater treatment systems (AWTS) and associated fittings.

1.2.2 *System size*

AWTS covered by this Standard are those designed for wastewater flows up to a maximum of 14 000 litres/week, from a population equivalent to ten persons.

1.2.3 *Interpretation*

The word “shall” identifies a mandatory requirement for compliance with the Standard. The word “should” refers to practices, which are advised or recommended.

1.3 Referenced documents

The following documents are referred to in this Standard:

JOINT AUSTRALIA/NEW ZEALAND

- AS/NZS 1546.1 On-site domestic-wastewater treatment units
Part 1: Septic tanks
- AS/NZS 1547 On-site domestic-wastewater management