



Environment and Heritage Expertise

Technical Guideline

TG 0875.62 – Recycling

Version: 1.0.

Date: 28 August 2025.

Status: Final.

Document ID: SAWG-ENV-0875.62

Confidentiality: OFFICIAL



**Government of
South Australia**

© 2025 SA Water Corporation. All rights reserved. This document may contain confidential information of SA Water Corporation. Disclosure or dissemination to unauthorised individuals is strictly prohibited. Uncontrolled when printed or downloaded.

Issue & version number

Only the current version of the Technical Standard should be used. Earlier versions of this Technical Standard are superseded and must not be used.

This Technical Standard document is not controlled when printed or downloaded. Only online versions from the SA Water website may be used.

Copyright and intellectual property

© SA Water. All rights reserved.

This Technical Standard has been produced by the South Australian Water Corporation (SA Water). SA Water owns the copyright to all material produced by SA Water.

No part of this Technical Standard may be reproduced, copied or transmitted in any form or by any means, except with the express written consent of SA Water.

Where any material is extracted from this Technical Standard, which may occur only with express written consent of SA Water, that material must be attributed to SA Water as:
© SA Water.

Intellectual property

Where any material is extracted from this Technical Standard, which may occur only with express written consent of SA Water, that material must be attributed to SA Water as:
© SA Water.

Unless indicated expressly to the contrary, SA Water (and/or any third-party licensors of SA Water) own the copyright and other intellectual property rights, which is contained in the text, graphics, information, designs, data and other content in this Technical Standard.

This Technical Standard may not, without consent in writing from SA Water, or otherwise except to the extent permitted under the *Copyright Act 1968* (Cth), be reproduced for any purpose, including particularly: purposes associated with government operational activities, commercial activity, or education.

SA Water is committed to upholding the rights of owners of copyright and intellectual property, and SA Water will make every effort to contact copyright owners and request permission to reproduce and make available copyright material. If you believe that any content in this Technical Standard may infringe your copyright or other intellectual property rights, please contact us at legal@sawater.com.au and we will investigate the position, and if appropriate, endeavour to correct the situation.

If you have access to this Technical Standard and the Technical Standard is used by you or any other entity, for purposes other than to progress SA Water's statutory functions, you could be infringing SA Water's copyright, and or SA Water's intellectual property, and you may face penalties under the *Copyright Act 1968* (Cth), otherwise under law, or under any other policy of SA Water or the South Australian Government that may apply.

Technical Standards are only applicable for intended use

This Technical Standard may be used by only: SA Water staff, SA Water contractors and persons expressly authorised in writing by SA Water to do so.

This Technical Standard may be used only for application to progress activities associated with SA Water's statutory functions described particularly within the *Water Industry Act 2012* (SA), the *Water Industry Regulations 2012* (SA) and the *South Australian Water Corporation Act 1994* (SA). This Technical Standard may not be used for any other activity outside of the scope of the functions described in that legislation.

If you have access to this Technical Standard, and the Technical Standard is used by you or any other entity, for purposes or activity other than to progress SA Water's statutory functions, the Technical Standard may not be applicable to that other purpose or activity, in which you or that other entity intend to engage, and you could be misinterpreting the contents and you may not correctly apply the Technical Standard. This may result in loss or damage to you, the entity or to other parties, and must be avoided.

This Technical Standard has been prepared to address general and not particular circumstances. This Technical Standard is intended to be used in conjunction with designs and project instructions that are prepared in response to particular circumstances and toward particular objectives. Any user of this Technical Standard must ensure, by independent verification, that the application of the Technical Standard is suitable to any design for any particular project, and to ensure that the Technical Standard is in accordance with the latest relevant Australian standards, legislation, regulations and codes and also with any relevant and applicable policy.

SA Water does its best to provide accurate and up-to-date information in the Technical Standards we prepare, but you should use your own skill and judgement before you rely on it. SA Water does not guarantee or warrant the accuracy, completeness, or currency of the information provided. SA Water recommends that you ask for professional advice from your own advisors on any aspect of your own circumstances.

Liability disclaimer

This Technical Standard may be used by only: SA Water staff, SA Water contractors and persons expressly authorised in writing by SA Water to do so.

To the extent that the use of the Technical Standard constitutes you acquiring goods or services from SA Water, as a consumer within the meaning of the Australian Consumer Law set out in the *Competition and Consumer Act 2010* (Cth) sch 2, as amended or replaced from time to time, you may have certain rights and remedies (including: consumer guarantee rights) that cannot be excluded, restricted or modified by agreement.

Nothing in this disclaimer operates to exclude, restrict or modify the application of any implied condition or warranty, provision, the exercise of any right or remedy, or the imposition of any liability under the Australian Consumer Law or any other statute, where to do so would contravene that statute or cause any term of this agreement to be void.

You acknowledge and agree that:

- Except for any non-excludable obligations, SA Water gives no warranty (express or implied) or guarantee that information, services and materials contained in this Technical Standard are accurate, complete, current, or fit for any use whatsoever.
- All such information, services and materials are provided "as is" and "as available" without warranty of any kind. This means, for instance, that you should not rely on the accuracy or completeness of any information displayed within this Technical Standard and its suitability for application to your particular circumstances, and furthermore it is your responsibility to contact an appropriate member of our staff if you have any questions about suitability of the Technical Standard to any particular circumstance, before your use of the Technical Standard.

To the maximum extent permitted by law and subject to any non-excludable obligations, SA Water excludes all liability for any loss or damage arising out of access to, use of, or reliance upon information, services and materials contained within this Technical Standard.

Significant/major changes incorporated in this edition

Not applicable - this is the first edition of the Technical Guideline.


Document controls

Version history

Version	Date	Author	Comments
1.0	28 August 2025	Various	Issued for Use

Template: Technical Guideline Version 8.1, 30 September 2024

Approvers

Approver Name	Approver Role	Signature
Tim Kildea	Manager Environment and Heritage Expertise	<div>16/09/2025</div> <div>X </div> <div>Tim Kildea Manager Environment and Heritage Expertise Signed by: KI000359</div>
Brooke Swaffer	Manager Environment and Recreation	<div>16/09/2025</div> <div>X Brooke Swaffer</div> <div>Brooke Swaffer Manager Environment and Recreation Signed by: SW001471</div>

Reviewers

Name	Role	Version	Review Date
Environment and Heritage Expertise Team	Team review of guidelines.	1.0	28-08-2025

1 Introduction

This guideline relates to the reuse and recycling of products and materials which may be created or obtained during a project, including construction or maintenance activities.

It forms part of the TG 0875 - Environment and Heritage Technical Guidelines and is designed to provide insight into regulatory obligations associated with vegetation, as well as suggested approaches to manage risk.

Note the guideline is not exhaustive, and additional requirements may be necessary based on project- or site-specific activities, geographical location, or approval conditions.

1.1 Environment and Heritage Technical Guidelines Suite

The SAWG-ENV-0875 Environment and Heritage Technical Guidelines suite includes:

- TG 0875.00: General requirements
- TG 0875.11: Aboriginal heritage and Native Title
- TG 0875.12: Non-Aboriginal heritage
- TG 0875.21: Vegetation
- TG 0875.22: Fauna
- TG 0875.23: Weed hygiene
- TG 0875.24: Phytophthora
- TG 0875.31: Surface water
- TG 0875.32: Groundwater
- TG 0875.33: Recycled water
- TG 0875.34: Sediment, erosion and stormwater
- TG 0875.35: Dewatering, dredging and earthworks drainage
- TG 0875.41: Site contamination
- TG 0875.42: Acid sulfate soils
- TG 0875.43: Hazardous substances
- TG 0875.51: Dust
- TG 0875.52: Odour
- TG 0875.53: Noise and vibration
- TG 0875.61: Spoil management
- **TG 0875.62: Recycling (this guideline)**
- TG 0875.63: Waste management

This guideline must be read in conjunction with TG 0875.00: General requirements

1.2 General requirements

TG 0875.00: General requirements apply to all aspects of the work:

1. Purpose
2. Application
3. Scope
4. Statutory obligations
5. Strategic alignment
6. Terms and abbreviations

2 Recycling

2.1 Overview

MANAGEMENT	
Commitment	Integrating reuse and recycling methods and procuring products and materials with recycled content where possible contributes to SA Water's environmental objectives and commitment to being a proactive environmental leader and becoming a zero waste producer
Strategic objective	<ul style="list-style-type: none"> Environment Corporate Strategy: <ul style="list-style-type: none"> We use materials efficiently, avoiding waste and extending the life of recovered resources. Asset Management Corporate Strategy: <ul style="list-style-type: none"> Increasing and maximising our use of recycled products and materials and circular management strategies for all waste resources generated from capital operations.
Key Performance Indicator	<ul style="list-style-type: none"> KPI 1: By 2030, alternative opportunities for recoverable resources are being realised. KPI 2: By 2040, SA Water has designed waste out of processes and infrastructure to become a net zero waste organisation.
Legislation	<ul style="list-style-type: none"> Environment Protection Act 1993 (SA) Environment Protection (Waste to Resources) Policy 2010 (under review) Environment Protection Regulations 2023
Regulatory approvals	<ul style="list-style-type: none"> None applicable
Statutory obligations	<ul style="list-style-type: none"> <i>Environment Protection Act 1993 (SA)</i>, Section 25: A person must not undertake an activity that pollutes, or might pollute, the environment unless the person takes all reasonable and practicable measures to prevent or minimise any resulting environmental harm.
Reference material	<ul style="list-style-type: none"> EPA (SA): Waste guidelines EPA 842/19 - Waste definitions EPA (SA): Waste-derived materials—guiding principles for determining approval processes and product standards Green Industries SA: South Australia's Waste Strategy 2020-2025 National Environment Protection (Movement of Controlled Waste between States and Territories) Measure 1998 (Cth) Which Bin SA
Related guidelines	<ul style="list-style-type: none"> TG 0875.61: Spoil management TG 0875.63: Waste management

2.2 Planning and design

MITIGATION MEASURES	STAKEHOLDERS
<p>Apply the principles of the waste hierarchy and identify the major resource inputs and outputs for the project or asset, including:</p> <ul style="list-style-type: none"> Identifying major material and product categories required i.e. pipe, concrete, steel. Identify opportunities to avoid demand of products and materials. Identify opportunities to substitute products and materials with recycled content (use suppliers or sources of recycled products and materials with lower environmental impacts across their lifecycle). Consider whole of life costs and waste management (for operations, repair, maintenance, replacement) to inform decisions. Identify waste streams that will be generated (i.e. cleared vegetation, spoil, demolished concrete) and investigate opportunities to reuse and recycle beneficially. <p>Where reuse and recycling is possible, put measures in place to ensure waste streams are separated at the source/project site.</p>	<p>Environmental Officer Design Manager Asset Planner</p>

2.3 Construction

MITIGATION MEASURES	STAKEHOLDERS
Civil works such as trenching and concrete works generate waste like asphalt planings, soil, concrete, bricks, timber and asphalt. This waste is categorised as solid construction and demolition waste. When managed correctly it should be readily recycled.	Contractor
All waste streams must be classified, stored, tracked, sorted, transported, and treated in accordance with approved management plans and any contractual or regulatory requirements, including the use of licensed transport and treatment facilities.	Contractor
Provide clearly labelled disposal collection points for each waste category, ensuring materials like metal, glass, and cardboard are separated from general waste. For larger items or specific materials like concrete, ensure a construction skip bin hire service is engaged who specialised in recycling construction waste.	Contractor

2.4 Monitoring requirements

DESCRIPTION	METRIC	FREQUENCY	ACCOUNTABILITY
Recycling management onsite	Visual observations	Daily	Contractor
Creation, movement and disposal of waste types and volumes are monitored and reported	Waste records	As per agreed schedule	Contractor

DESCRIPTION	METRIC	FREQUENCY	ACCOUNTABILITY
Data and evidence of adoption of waste hierarchy	Waste records	As per agreed schedule	Contractor