



*Green Star – Construction & Demolition
Waste Reporting Criteria*

Norstar Recycling Pty Ltd
Laverton North





Introduction

Tandem Solutions have been engaged by Norstar Recycling Pty Ltd to complete an audit and assessment of the management of construction and demolition waste at the 191-205 Dohertys Road, Laverton North Victoria facility.

The audit used the protocols specified in The Green Star Construction and Demolition Waste Reporting Criteria version 1.0. These protocols ensure:

Waste processing facilities that accept Green Star project construction and demolition waste:

- Operate legally with approved Development Approvals (DAs), and the relevant environmental licenses, etc;
- Have auditable systems in place to prepare accurate reports on inbound and outbound waste; and
- Undertake annual reporting of the independently verified gross diversion rates of waste from landfill, and the percentage of residual waste committed to landfill from their operations.

The compliance requirements are:

The waste processing facility must hold current licenses or development consent for the activities it undertakes (for example storage, handling, transfer or processing of construction and demolition waste) by the appropriate regulatory authorities. This may include approved Development Applications (DAs) and Environment Protection Agency licenses.



Findings

Waste Processing Facilities

Criterion 1:	Compliant
Criterion 2	Compliant
Criterion 3	Compliant

I confirm that the information provided in this document is truthful and accurate at the time of completion.

A handwritten signature in blue ink, appearing to read 'Trevor Thornton', with a horizontal line underneath.

Dr Trevor Thornton
Director
Tandem Solutions Pty Ltd
30th September 2021

Report date: 30th September 2021



Waste Processing Facility

Waste Processing Facilities: To ensure that waste processing facilities servicing Green Star building sites are legitimately operating businesses that are recognised by the relevant regulatory authorities.

Criterion One

This requirement has been met in full.



Stage of compliance

The facility has all required permits with the planning permit details as follows:

1. Council Permit

The following Planning Permits were applicable to this location and facility:

- Planning Permit WYP1757
- Planning Permit Amendment WYP1757.04
- Planning Permit Amendment WYP10356/17.01

The site was in compliance to the extent relevant to requirements for the planning permit.

2. No EPA Victoria license is required

3. No development consent approval is required

The site also holds a Radiation Management Licence issued by the Victorian Department of Health and Human Services:

- Management Licence No. 300063784. Licence Holder: Norstar Recycling Pty. Ltd., Licence Expiry Date: 28/9/2022

No other licences and/or permits are required for this facility.



Waste Processing Facilities: Criterion Two To ensure that waste processing facilities servicing Green Star building sites have the capacity to prepare accurate reports on the source and fate of all inbound waste received as well as all outbound waste diverted from and to landfill.

Requirement 1: Ensure there is clear separation of waste processing facility from landfill

This requirement has been met in full. ✓

Stage of compliance

This site does not operate a landfill – they are a materials recovery facility only.

Prior to depositing materials at the site, trucks enter and go over a weighbridge the truck number is registered along with Gross, Tare and Net weights (as the truck departs), recorded.

As loads are deposited, a staff member visually analyses the load(s) and records the estimated volumes per material type. Loads are also inspected to ensure that there are no materials that would not be allowed to be deposited at the facility.

Some materials arrive at the site in a homogenous state – that is, one type of material only. When materials that are in a mixed load are accepted, they are separated into the various classifications and then deposited in distinct areas.

This is so that the materials can be inspected, classified and any contaminants identified and removed and then processed depending on the type of material.

Requirement 2: Ensure there is a clear tracking system to separate residual waste from recyclables (weighbridge/s)

This requirement has been met in full. ✓

Stage of compliance

All loads entering and exiting the site do pass over a weighbridge.

No residual waste is accepted at the site.

Requirement 3: Verify the certification of weighbridge/s and operational procedures



This requirement has been met in full.



Stage of compliance

The weighbridge maintenance certificate for both weighbridges was sighted and is current and valid.

Certificate issued by Mettler Toledo Ltd (13th February 2021)

This relates to the certification of calibration of the weighbridge:

Both weighbridges are calibrated annually.

The Weighbridge Operating Manual was reviewed as part of this audit. The procedures and operating system ensures the following information is captured:

- Truck enters the weighbridge, date and time are automatically recorded.
- Weighbridge operator records truck registration
- The vehicle is weighed and the load type is selected
- Gross weight is captured
- Once tipped the truck leaves via the outbound weighbridge so that a net weight can be determined.
- Weight of vehicle and materials incoming (Gross and tare weights shown to determine net weight of load)
- Weight of vehicle and material outgoing (Gross and tare weights shown)
- Fate of material outgoing (by product type and the entity removing it).

The facility has a range of operational procedures to guide all aspects of the site. These were identified and are made available to any stakeholder to inspect if required.

The operational procedures are currently not independently certified, but are reviewed annually and/or sooner if an issue arises.

However, as part of the facility's obligations to government agencies such as WorkSafe, operational procedures are required to be developed and maintained. Should an incident occur that involves these agencies they would be required to demonstrate that all operational procedures are current as well as when the last review was undertaken.



Requirement 4: Verify the source and fate of inbound and outbound waste

This requirement has been met in full.

Stage of compliance

As the facility has a weighbridge, all loads entering or exiting the site have their weight recorded along with the destination – being a customer for the product or destined for landfill.

1. All inbound and outbound loads pass over the weighbridge so that a record is maintained of source and destination in regards to weight of the various materials.
2. Dockets for materials that exit the site are matched with this facility's weighbridge data to ensure records are accurate.
3. Records are kept of the destination of dispatched loads – address, material type(s) and weights delivered.
4. All landfill and/or dispatch dockets are made available to clients upon request.

A review of documents showing destination for all outbound waste/recyclables were reviewed and demonstration compliance.



Waste Processing Facilities: Criterion Three To encourage waste processing facilities that service Green Star building sites to provide independently-verified publicly available reports on the percentages of gross waste diversion from landfill and residual waste committed to landfill on an annual basis

Requirement 1: The waste processing facility must undergo an independent annual facility-wide audit to establish and verify its gross diversion rates of input waste from landfill; and percentage of residual waste output that is committed to landfill

This requirement has been met in full. ✓

Stage of compliance

The Facility has an Environment Improvement Plan (EIP), that guides its activities in regards to environmental performance (amongst other activities). This EIP is prepared by an independent organisation.

Norstar Recycling also has a certified Quality Management System (ISO9001:2015), which is current.

As a recycling facility, only metal based materials are accepted and no materials are diverted to landfill.

Requirement 2: The waste processing facility must make these performance figures publicly available or, at a minimum, make them easily available upon request from Green Star customers or waste contractors acting on behalf of Green Star projects

This requirement has been met in full. ✓

Stage of compliance

All clients who request performance figures/data are provided with it. The reports are structured to meet the client's specific needs.



AUDITOR QUALIFICATIONS

B.Ed. (1983 - Victoria College)

M.Env. Sci. (1993 - Monash University)

Doctor of Technology (2007 - Deakin University)

- Quality Society of Australasia – Senior Auditor No: 011392 (environmental management and waste)
- Environmental Auditors Course - May 1995 (Standards Australia).
- Life Cycle Assessment Course – October 1999 (RMIT)

This report has been prepared by Dr Trevor Thornton. Dr Thornton has over 30 years' experience in conducting waste audits and preparing waste management plans for a variety of commercial and industrial organisations/sectors. Examples of audits conducted by Dr Thornton over the last decade are below. Please note that this list is not exhaustive as some client details remain confidential.

Qualification Statement:

1. Knowledge – Trevor has been working in the waste management industry for over 30 years developing and implementing waste management strategies for a broad range of sectors. In addition, Trevor is a lecturer in Hazardous Materials Management at Deakin University. His experience is often called upon by State governments for advice on aspects of waste management.

2. Industry Experience – Trevor has been working in the waste management industry for over 30 years. Examples of projects are listed below.

3. Professional Activity – Trevor is currently working with Sustainability Victoria as a Waste Management Consultant. In the past, he has liaised with State/Local Governments on various waste related projects and often providing feedback on protocols or best practice waste models.

4. Reputation – Trevor is well known within the waste industry for his knowledge on waste management matters – both Nationally and Internationally. He is often sought after by the media for expert comment on waste management issues. He also sits on the State Governments' Plastic Pollution Reference Group.

5. Professional Association – Trevor is a member of the Waste Management and Resource Recovery Association. As a consultant to business and government, and as a lecturer in Hazardous Materials Management, Trevor is required to keep abreast of industry trends and developments.

6. Communication Skills – As a lecturer and many years' experience in running waste management training courses, Trevor regularly delivers knowledge and information to industry professionals in an engaging and effective manner.

7. Legislative Understanding – As a consultant Trevor needs to be well aware of all relevant legislation. Trevor also Chairs a Standards Australia Committee on waste management.



The following provides a selection of the waste audits, waste management plans and/or Green Star reports conducted by Dr Trevor Thornton – these are projects where he has been lead auditor and substantially if not wholly written the report and/or waste management plan.

- Boral (2021)
- Hopley (2021)
- PanelCycle (2021)
- Raffert (2021)
- Casmar Constructions (2021)
- Outlook (2021)
- Fishermen’s Bend (2020)
- City of Geelong (2020)
- Victoria Cross Station (2020)
- 44 Martin Place (2020)
- Brickworks (2020)
- Bens Waste (2019)
- Corangamite Council (2019)
- Botanicca Development (2019)
- Greensborough Shopping Centre (2019)
- Mercy Health (2019)
- Alfred Health (2019)
- Midland Group (2019)
- Delta (2019)
- Rydell (2019)
- Golden Plains Council (2018)
- Ballarat City Council (2018)
- Delta Group (2018)
- PB Construction (2017)
- Perfect Contracting (2017)
- Bin Master (2017)
- Places Victoria (2017)
- Startrack (2017)
- ANMF (2016)
- Victoria University (2016)
- CBA Darling Square (2016)
- Aspire Penrith (2016)
- Sydney University (2016)
- St Mary’s Recycling (2016)
- Mercy Hospital (Werribee) (2016)
- Macedon Council (2016)