

Waste Management Plan

134 Lions Drive, Burrundulla (South Mudgee)

Bunnings Warehouse Mudgee
- New Store

Submitted to Mid-Western Regional Council on behalf
of Bunnings Group

July 2022 | Job No. 21077

Ref: 21077

WASTE MANAGEMENT PLAN

Proposed Bunnings Warehouse

134 Lions Drive, Burrundulla (South Mudgee)

CLIENT: BUNNINGS Group

Insite Planning Services Pty Ltd (ACN 109 684 648)

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QUALITY ASSURANCE

This document has been prepared, checked and released in accordance with the Quality Control Standards established by Insite Planning Services Pty Ltd.

| Issue | Date | Description | By |
|-------|------------|---------------------------|----|
| 1 | 08/07/2022 | Draft | CA |
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This document has been authorised by _____

Date 11 July 2022

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1. Introduction

This Waste Management has been prepared by Insite Planning Services in respect of Chapter 5.4 of the Mid-Western DCP 2013 on behalf of the Bunnings Group, in support of a Development Application to Mid-Western Regional Council. The purpose of the development application is to gain approval to construct and operate a Bunnings Warehouse store at 134 Lions Drive, Burrundulla.

This Waste Management Plan (WMP) has been developed to manage and divert demolition and construction wastes from landfill for this project. Detailed in this document are the practices that are to be followed to ensure that waste generated as a result of all activities is minimised and effectively managed (recycled, reused, disposed of appropriately or recovered) for a minimum of 75% of all construction and demolition wastes. This plan forms part of the Environmental Management System to be implemented on the site.

1.1 Objectives of this Plan

The practices to be implemented on site will:

- Ensure that waste does not pose any hazards or obstructions to the staff and public; and
- Ensure that all disposed waste is disposed of appropriately at Council approved sites; and
- Manage all hazardous materials that may be identified in the existing building, treat and dispose of correctly to Australian Standards and relevant Legislation requirements; and
- Aim to exceed 75% of non – hazardous construction and demolition wastes to be diverted from landfill and recycled; and
- Segregate waste on site to maximise recycling; and
- Segregate and legally manage hazardous waste if generated; and
- Manage all waste in accordance with the relevant state and federal legislation; and
- Maintain clear records of any wastes produced and how wastes were disposed; and
- Maintain a tidy site at all times.

1.2 References

The following legislation is applicable to the works to be undertaken on site:

- Protection of the Environment Operations Act, 1997
- Protection of the Environment Operations (Waste) Regulation, 2005
- Waste Avoidance and Resource Recovery Act, 2001
- Occupational Health and Safety Act, 2000
- Occupational Health and Safety Act, 1991 (Commonwealth)
- DECC's Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes (the DECC Guidelines)
- Resource Recovery Exemptions (Land Application) Guidelines (DECC Guidelines) ECP
- Soil and Water Quality Management Contaminated Land Management Act 1997 of New South Wales

1.3 Maintaining this Document & Submittals

This document is to be updated as required throughout the project in accordance with the works being undertaken. It is the responsibility of the Contractor to maintain this plan and submit the required information to the Project Manager at Practical Completion.

1.4 Submittals

The following documents are to be submitted to the Project Manager and Commissioning Agent at Practical Completion:

- Waste dockets and receipts
- Waste Tracking schedule summarising all waste generated and diverted from landfill

2 Roles and Responsibilities

The following personnel have been nominated for the following responsibilities:

| Project Task | Responsibility |
|-----------------------|---|
| Site Operation | |
| Contractor | <ul style="list-style-type: none"> • Ensuring that waste is segregated and collected in accordance with this Plan • Ensuring that Duty of Care documentation is obtained and maintained in the site file (e.g. copy of waste transporters licence, waste collection receipts, waste transport certificates) • Updates to the Plan • Monitoring the practices of site labour and inspecting the bins to ensure waste is placed in the correct bin • Supervising the collection of waste by the waste contractor (where practical) • Maintaining site records of waste types and approximate quantities collected from site • Ensuring all wastes are disposed of according to legislative requirements • Ensuring the minimum 75% diversion of all construction and demolition wastes is met • Induction of all subcontractors into this plan |
| Waste Sorting | |
| Sub-Contractors | <ul style="list-style-type: none"> • It is the responsibility of all sub-contractors to be inducted into this plan and put waste into the correct bins on site for appropriate disposal off site • Sub-Contractors are to use the designated bins on site and not dispose of any materials except within designated bins on site |

Bunnings Mudgee – Waste Management Plan

| | |
|--|--|
| | <ul style="list-style-type: none"> Minimise the generation of wastes through appropriate behaviour on site through site measurement and ongoing management of works |
| Waste Collection & Management | |
| Waste Contractors | <ul style="list-style-type: none"> Supply of bins, according to agreed approach & ongoing site requirements Ensuring that Duty of Care documentation is obtained and maintained in the site file (e.g. copy of waste transporters licence, waste collection receipts, waste transport certificates) Collection & disposal of waste, as agreed & according to ongoing site requirements Weighing and sorting of all wastes generated on site for disposal off site Ensuring that the waste collected is managed in accordance with the relevant legislation and the identified wastes are re-used, recycled or recovered Ensuring minimum of 75% of all demolition and construction wastes are diverted from landfill Ensuring relevant records are kept on all wastes taken from the site Ensuring all relevant reporting is completed of wastes in tons for wastes taken from site and issued to on a minimum monthly basis with daily disposal docket completed at time of bin removal |
| Reporting & Submittals | |
| Contractor | <ul style="list-style-type: none"> Tracking of wastes generated and reporting to Project Manager End of Project reporting of waste data to confirm percentage of recycled / reused and wastes to landfill Preparation of final waste report for the site |

3 Construction Waste Management Plan

During the project start-up meeting on site, the Contractors Construction Manager / Foreman are to identify the wastes likely to be generated by the project during all stages of construction. For each identified waste the Foreman/Contractors Construction Manager will determine the necessary control measures required as well as recycling, reuse strategies throughout the construction phase of the project. Expected reduction measures that apply to wastes are indicated below.

| Construction Waste | Reduction Measures |
|---|---|
| Concrete materials: concrete, concrete blocks, concrete truck wash-out material, concrete spoil, culverts, pipes, kerbs, etc. | Provide clearly marked bins or identified locations for collection by recycling organisation. Concrete wash out collection tray to be provided and emptied as necessary. |
| Paving materials (Bitumen, crushed rock, etc.) | Provide locations for collection by recycling organisation |
| Membrane/geotextile | Provide bins for reuse / safe disposal |
| Sediment | Tested, classified (e.g. liquid waste has been classified as Group A controlled aqueous liquid waste), monitored, handled safely and disposed of appropriately to a licensed landfill facility. |
| Cleared vegetation | Mulch, chipped or removed from site for recycling offsite |
| Timber, wood, form materials, packaging timber, timber offcuts, pallets, particle board, custom wood | Provide clearly marked bins for reuse or collection by recycling organisation |
| Steel: structural, pipes, valves, plates, mechanical parts, metalwork off cuts, reinforcement, cast metal, steel wire, reinforcing mesh, copper, nuts & bolts, strapping, brass, nails, structural steel, downpipes, guttering, colorbond materials | Place in clearly marked bins for collection by recycling organisation |
| Drums, surplus conductors, insulators and fittings | Place in clearly marked bins for collection by local recycling contractor |
| Glass | Provide clearly marked bins for reuse or collection by recycling organisation |
| Plaster board | Provide clearly marked bins for collection by recycling organisation. Paper may be stripped off and plaster recycled |
| Plastic/fibre glass | Provide segregated bins for safe disposal |

| | |
|----------------------------|--|
| Paper products | Recycle bins placed in offices for collection by recycling organisation Reuse materials e.g. Envelopes, paper (use both sides), etc. Use email system to reduce paper usage. |
| Bricks, wall & floor tiles | Provide clearly marked bins or identified locations for collection by recycling organisation |

4 Waste Destinations

The following table represents the designated destinations for the wastes to be generated on site and the destinations of the waste streams.

| Waste Type | Final Destination |
|----------------|--|
| Plasterboard | Recycled for new products or disposed if contaminated |
| Cardboard | Recycled in the manufacture of cardboard products |
| Metal | Recycled in the manufacture of metal products |
| Timber | Recycled as a compost feedstock or other composite timber |
| Asphalt | Recycled for reuse in other asphalt installations or bedding |
| PVC / Plastics | Recycled for reuse and remanufacturing for other packaging products or reuse on other projects |
| Foam | Disposal |
| Paper | Recycled in the manufacture of paper products |
| Concrete | Recycled in the manufacture of fill materials and aggregate |
| Residual | Disposed to landfill |
| Hazardous | Treated and disposed to landfill or by incineration |
| Equipment | Cleaned and stored in clean container for reuse when new store opens |
| Furniture | Cleaned and stored for reuse in other stores or recycled into components of metal, plastics for repackaging into other goods |
| ACMs | Landfill site and will not be accounted for in the recycling volumes of this project |

ATTACHMENT ONE:

Bunnings and SITA Environmental Solutions

Bunnings and SITA Environmental Solutions

Partnering For The Environment



Recycling & Waste Management

Bunnings has appointed SITA Environmental Solutions as its recycling and waste provider for NSW/ACT, VIC/TAS/SA, and WA.

The appointment of SITA Environmental Solutions will enable Bunnings to ensure consistent services for all sites and to effectively manage both our general waste and recycling requirements. SITA will also provide detailed reporting for compliance with Bunnings/Wesfarmers sustainability requirements.

In 2006 Bunnings conducted a Waste Review at a range of Bunnings stores nationwide which incorporated a six month recycling and waste collection trial.

The Bunnings review showed that improving the way in which Paper & Cardboard, Plastic and Timber are recycled can save money and significantly reduce Bunnings' impact on the environment.

Importantly, governments are scheduled to increase dramatically landfill costs in the next few years with the aim of reducing waste to landfill and facilitating recycling initiatives. Future landfill cost increases make the introduction of recycling now both prudent and cost effective.

Implementing the findings of the Waste Review, Bunnings requires each state to have the following services in place:

- Paper & Cardboard Recycling
- Plastic Recycling
- Timber Recycling
- General Waste

Additional services that SITA also recommend to each site includes:

- Co-mingled Container Recycling
- Fluorescent Tube Recycling
- Battery Recycling
- Security Paper Recycling
- Sanitary
- Green Waste Recycling

While the collection of the four required materials is mandatory for the best financial and environmental outcomes, the type of services used to collect each material is flexible to suit the individual needs of each site.

This catalogue outlines the main service recommendations and options which should be implemented across the majority of Bunnings sites. An experienced representative from SITA will work through each possibility with you as well as any other alternatives you may wish to consider.

Some services may be restricted in remote areas.



Paper & Cardboard

At Bunnings, paper & cardboard is predominantly generated from packaging, office paper and spent magazines/catalogues. There are two main methods that SITA recommends to collect, store and transport paper and cardboard from Bunnings sites – a baler system or front lift bin system (pictured below).

SERVICE OPTIONS

ADVANTAGES



Balers

- Ideal for sites producing high volumes of paper and cardboard waste.
- Ideal for sites with room constraints.
- Up to 4:1 compaction ratio ensures maximum efficiency and cost savings.
- Reduced interruption to loading and unloading areas.
- Balers can be customised by size, usage requirements, manual or automatic feed rates.



Front Lift Bins

- Perfect for sites producing medium volumes of paper and cardboard waste.
- Minimal handling.
- Option of 3m³ or 4.5m³ bins.
- Containers come in a designated colour and are clearly labelled as 'paper & cardboard only'.
- Relatively inexpensive, user friendly and suitable for light to medium density waste production.

Rear Lift and Compactor services are also available.



Plastics

At Bunnings, plastic waste is typically generated from spent shrink wrap and general plastic packaging.

There are two main methods that SITA recommends to collect, store and transport plastic from Bunnings Sites – a baler system or cage/frame bin system (pictured below).

SERVICE OPTIONS

ADVANTAGES

Balers



- Ideal for sites producing high volumes of plastic waste.
- Ideal for sites with room constraints.
- Up to 4:1 compaction ratio ensures maximum efficiency and cost savings.
- Reduced interruption to loading and unloading areas.
- No mess. Minimal handling.
- Usually achieve higher diversion.
- Balers can be customised by size, usage requirements, manual or automatic feed rates.

Bale Bag and Frame



- Ideal for sites producing small to medium levels of plastic waste.
- Minimal costs.



Timber

At Bunnings, timber waste is typically generated from damaged pallets, timber shop off-cuts and spent truck skids. There is one main method that SITA recommends to collect, store and transport timber from Bunnings sites – a roll on/roll off bin in conjunction with tippler bins (pictured below).

SERVICE OPTIONS

ADVANTAGES



Roll On/Roll Off

- Minimal handling.
- OH&S compliant.
- Variety of container sizes from 8m³ to 31m³.



General Waste

There is little waste generated from Bunnings sites that cannot be recycled. If the site is not committed to recycling and using the new services, then recyclable materials such as plastic, timber paper and cardboard will end up in the general waste bin, adding to costs.

The core services recommended in this catalogue will significantly reduce the volume of general waste cleared at each Bunnings site, and therefore the cost of waste disposal. SITA recommends a standard front lift bin (pictured below) to collect, store and transport general waste from Bunnings sites.



SERVICE OPTIONS

Front Lift Bins

ADVANTAGES

- Minimal handling.
- High productivity service.
- Customised containers ranging from 1.5m³ to 4.5m³.
- User friendly.
- Safe and flexible.



BUNNINGS



*Environmental
Solutions*



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Fluorescent Tube Recycling Service

‘Ideally suited to all commercial and industrial customers who generate used fluorescent tubes over a period of time.’

SITA Environmental Solutions Fluorescent Tube Collection and Recycling Service provides customers with a safe and efficient way of disposing of used fluorescent tubes whilst reducing their environmental risks.

SITA introduced this service as disposal to landfill or incineration is no longer an acceptable option due to high toxicity levels and tougher government regulations.

How the collection service works –

Participating customers are issued with a ‘Starter Pack’ which includes a cardboard box designed to hold

up to 100 fluorescent tubes (approx 1200mm long), and an identification sign for use at the collection point where the box is located.

Once the box is filled, customers contact SITA on 13 13 35 to arrange for its collection and the delivery of a replacement box. High volume users can request additional boxes.

- Ideally suited to all commercial and industrial customers who generate used fluorescent tubes over a period of time.
- The mercury contained in one fluorescent tube can pollute 30,000 litres of water beyond a safe drinking level.
- The mercury, glass, aluminium and phosphor powder from fluorescent tubes can all be recycled – saving valuable resources and helping prevent environmental damage.

specifications >

Fluorescent Tube Recycling Service

What happens to the tubes?

ARA processes and recycles the components found in fluorescent tubes using crush and separation technology.

Components include mercury, aluminium, phosphor powder and glass.

The end result is that hazardous, discarded products are transformed into clean, environmentally sound by-products.

- Mercury is distilled from the separated powders and then re-used in the manufacture of dental amalgams.
- Aluminium from the tube ends is separated and recycled into cast products such as ingots used in foundry applications.
- Phosphor powder is used in the manufacture of fertiliser products for the agriculture industry.
- Glass is separated and recycled into glass wool used for home insulation.

Collection Box Specifications

| | |
|----------|-----------|
| Capacity | 100 tubes |
| Length | 1224mm |
| Width | 270mm |
| Height | 270mm |



‘The end result is that hazardous, discarded products are transformed into clean, environmentally sound by-products.’

Note Specifications are a guide only. Printed on recycled paper using environmentally friendly soy-based inks.

SITA's Range of Services include Small Business Waste, Commercial Waste, Industrial Waste, Recycling, Product Destruction, Waste Audits, Government, Domestic Waste, Liquid Waste, Medical Waste, Security Disposal, Builders Bins, Temporary Bins and Hygiene Services

Front Lift Collection System

- SITA offers a convenient range of standard containers from 1.5m³ to 4.5m³ capacities.
- SITA offers a variety of options and accessories including steel or plastic lids, sliding or lifting lid tops, nylon or rubber castors, towing hitches, etc. All are rodent resistant.
- Should you require a system that can handle regular high volume waste then an on-site stationary compactor unit can be installed utilising the Front Lift System. This system allows for maximum efficiency and further cost savings.

‘This system is cost effective, user friendly and flexible.’

SITA's Front Lift Collection System at a glance –

- Best suited for commercial and industrial customers who generate a variety of wastes and are able to store the container on-site. Ideal for: hotels, offices, workshops, factories, shopping centres and distribution outlets.
- Ideal for light to medium density and small to mid-sized waste streams including: general office, paper, cardboard and packaging.
- Importantly, SITA can manufacture Front Lift containers to most common sizes to ensure complete compatibility with your site requirements.

specifications >

Front Lift Collection System

Vehicle Safety Features

- On-board reversing camera
- Heated external mirrors
- Reversing lights and beepers
- Dual positioned hazard lights
- Rotating flashing beacons



Container Options

- Plastic and steel lids
- Castors
- Rubber wheels
- Forklift pockets
- Sloping fronts

Container Accessories

- Liners
- Cartlifters
- Carts
- Docket holder
- Padlocks and chains



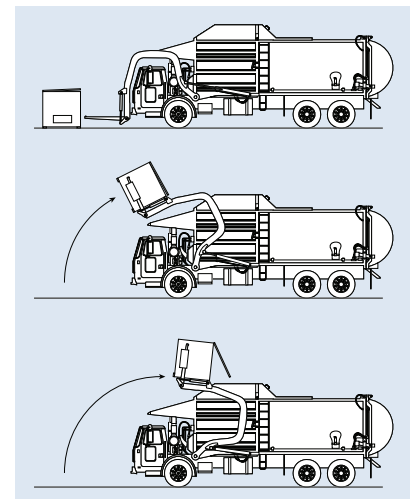
Vehicle Specifications

| | |
|-----------------------|------------|
| Overall length | Up to 11m |
| Overall width | 2.5m |
| Height (travel) | Up to 4.2m |
| Height (in operation) | Up to 8.5m |
| Weight (vehicle only) | 16.5t |
| Weight (payload) | 11.0t |
| Turning circle | 25.0m |

Container Specifications

| Capacity | 1.5m ³ | 3.0m ³ | 4.5m ³ |
|----------|-------------------|-------------------|-------------------|
| Depth | 0.905m | 1.505m | 1.605m |
| Width | 1.805m | 1.805m | 1.805m |
| Height | 0.910m | 1.225m | 1.570m |

Collection Operation



SITA's Range of Services include Small Business Waste, Commercial Waste, Industrial Waste, Recycling, Product Destruction, Waste Audits, Government, Domestic Waste, Liquid Waste, Medical Waste, Security Disposal, Builders Bins, Temporary Bins and Hygiene Services

Paper & Cardboard Recycling System



‘Recycling saves money, and with the rising cost of landfill, paper and cardboard recycling makes economic sense.’

SITA is committed to the reduction of paper and cardboard going to landfill.

Benefits to the environment include a reduction in:

- Tree felling
- Waste going to landfill
- Greenhouse gas emissions

With the rising cost of landfill, paper and cardboard recycling makes economic sense.

- The Front Lift paper and cardboard recycling system suits commercial and industrial customers who are able to store a container on site, e.g. retailers, offices, printers, shopping centres and distribution outlets. Other options include on-site stationary

compactor units (for high volume sites) and 120 or 240 litre Rear Lift systems.

- Paper and cardboard recycling is available for office stationery, envelopes, computer reports, cardboard boxes, newspapers, magazines, telephone books and much more.
- Bins are clearly labelled and can be fitted with a variety of options including lids, castors, etc. Recycling systems are used in conjunction with the existing waste system. Under desk or office waste paper bins (below) are also available and promote improved recycling rates.
- Making paper from recycled materials results in 74% less air pollution and 35% less water pollution.



specifications >

Paper & Cardboard Recycling System

Acceptable Products

- Computer printout
- Letterhead and envelopes
- Writing paper
- Computer reports
- White forms
- Magazines and newspapers
- Manilla folders
- Cardboard
- Coloured paper
- Phone books
- Fax/photocopy paper
- Glossy brochures
- Reports (stapled)
- Binder dividers

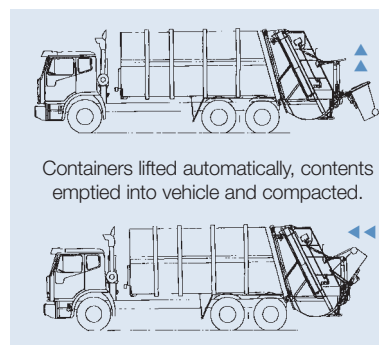
Vehicle Safety Features

- On-board reversing camera
- Heated external mirrors
- Reversing lights and beepers
- Dual positioned hazard lights
- Rotating flashing beacons

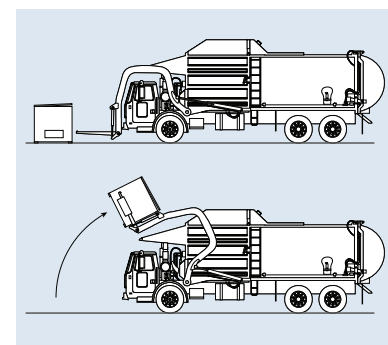
Container Specifications

| | Paper Recycling bins | | Rear Lift | Front Lift | |
|----------|----------------------|--------|-----------|-------------------|-------------------|
| | Under Desk | Office | 240l | 3.0m ³ | 4.5m ³ |
| Capacity | | | | | |
| Height | 0.37m | 0.685m | 1.075m | 1.505m | 1.605m |
| Width | 0.16m | 0.33m | 0.58m | 1.805m | 1.805m |
| Length | 0.24m | 0.42m | 0.715m | 1.225m | 1.570m |

Rear Lift Collection Operation



Front Lift Collection Operation



Container Options & Accessories

- Plastic and steel lids
- Padlock and chains
- Rubber wheels
- Sloping fronts
- Castors
- Carts



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