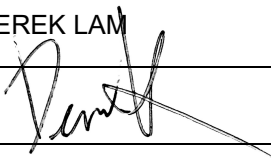


Appendix A: Waste Management Plan Template

Applicant and Project Details (All Developments)	
Applicant Details	
Application No.	
Name	DEREK LAM
Address	28 MENZIES ROAD MARSFIELD NSW 2122
Phone number(s)	0433037739
Email	dereklam@drkd.com.au
Project Details	
Address of development	SHOP 1272 WESTFIELD WARRINGAH MALL Old Pittwater Rd, Brookvale NSW 2100
Existing buildings and other structures currently on the site	Currently empty tenancy in a shopping centre
Description of proposed development	New kid playground
<p><i>This development achieves the waste objectives set out in the DCP. The details on this form are the provisions and intentions for minimising waste relating to this project. All records demonstrating lawful disposal of waste will be retained and kept readily accessible for inspection by regulatory authorities such as council, OEH or WorkCover NSW.</i></p>	
Name	DEREK LAM
Signature	
Date	24/9/2021

Demolition (All Types of Developments)**Address of development:**

SHOP 1272 WESTFIELD WARRINGAH MALL, Old Pittwater Rd, Brookvale NSW 2100

Refer to Part C.1.3 for objectives regarding demolition waste (page 7)

	Reuse	Recycling	Disposal	
Type of waste generated	Estimate Volume (m³) or Weight (t)	Estimate Volume (m³) or Weight (t)	Estimate Volume (m³) or Weight (t)	Specify method of onsite reuse, contractor and recycling outlet and /or waste depot to be used
Excavation material				
Timber (specify)				
Concrete				
Bricks/pavers				
Tiles				
Metal (specify)				
Glass				
Furniture				
Fixtures and fittings				
Floor coverings				
Packaging (used pallets, pallet wrap)				
Greenwaste organics				
Containers (cans, plastic, glass)				
Paper/cardboard				
Residual waste				
Hazardous/special waste e.g. asbestos (specify)				
Other (specify)				

Construction (All Types of Developments)**Address of development:**

SHOP 1272 WESTFIELD WARRINGAH MALL, Old Pittwater Rd, Brookvale NSW 2100

Refer to Part C.2.3 for objectives regarding construction (page 10)

	Reuse	Recycling	Disposal	
Type of waste generated	Estimate Volume (m ³) or Weight (t)	Estimate Volume (m ³) or Weight (t)	Estimate Volume (m ³) or Weight (t)	Specify method of onsite reuse, contractor and recycling outlet and/or waste depot to be used
Excavation material				
Timber (specify)			0.5 T	Contractor takes waste to nearby waste management centre
Concrete				
Bricks				
Tiles			0.3 T	Contractor takes waste to nearby waste management centre
Metal (specify)			0.3 T	Contractor takes waste to nearby waste management centre
Glass			0.3 T	Contractor takes waste to nearby waste management centre
Plasterboard (off cuts)				
Fixtures and fittings			1 T	Contractor takes waste to nearby waste management centre
Floor coverings			0.3 T	Contractor takes waste to nearby waste management centre
Packaging (used pallets, pallet wrap)			0.2 T	Contractor takes waste to nearby waste management centre
Greenwaste organics				
Containers (cans, plastic, glass)				
Paper/cardboard				
Residual waste				
Hazardous/special waste (specify)				

Ongoing Operation (Residential, Multi Unit, Commercial, Mixed Use and Industrial)

Address of development:

SHOP 1272 WESTFIELD WARRINGAH MALL, Old Pittwater Rd, Brookvale NSW 2100

Show the total volume of waste expected to be generated by the development and the associated waste storage requirements.

	Co-mingled Recyclables	Other (i.e paper/Cardboard)	Greenwaste waste	Residual waste *	Other
Amount generated (L per unit per day)	200L			200L	
Amount generated (L per development per week)	1400L			1400L	
Any reduction due to compacting equipment					
Frequency of collections (per week)					
Number and size of storage bins required	1 X 240L			1 X 240L	
Floor area required for storage bins (m ²)	1			1	
Floor area required for manoeuvrability (m ²)	1			1	
Height required for manoeuvrability (m)	1.8			1.8	

* Current “non-recyclable” waste generation rates typically include food waste that might be further separated for composting.

Construction Design (All Types of Developments)
Outline how measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques of the development (refer to Part C.2, page 10):
Materials
Lifecycle
Detail the arrangements that would be appropriate for the ongoing use of waste facilities as provided in the development. Identify each stage of waste transfer between residents' units/commercial tenancies and loading into the collection vehicle, detailing the responsibility for and location and frequency of, transfer and collection.
The amount of waste/garbage generated is minimal and would likely require emptying by staff daily.
Bins will be provided within the premises.
All wastes will be stored in approved containers in the garbage room and placed inside the premises before being removed for disposal by shopping centre management.
The existing building has a designated waste collection area that is sufficient for the disposal of waste generated by the proposed fit out.
Cleaning of the grease trap will be undertaken by shopping centre management.

Plans and Drawings (All Developments)

The following checklists are designed to help ensure WMPs are accompanied by sufficient information to allow assessment of the application.

Demolition

Refer to Part C.1 for specific objectives and measures (page 7).

Do the site plans detail/indicate:

	Tick Yes
Size and location(s) of waste storage area(s)	YES
Access for waste collection vehicles	YES
Areas to be excavated	YES
Types and numbers of storage bins likely to be required	YES
Signage required to facilitate correct use of storage facilities	YES

Construction

Refer to Part C.2 for specific objectives and measures (page 10).

Do the site plans detail/indicate:

	Tick Yes
Size and location(s) of waste storage area(s)	YES
Access for waste collection vehicles	YES
Areas to be excavated	YES
Types and numbers of storage bins likely to be required	YES
Signage required to facilitate correct use of storage facilities	YES

Ongoing Operation

Refer to Part D for specific objectives and measures (page 11).

Do the site plans detail/indicate:

	Tick Yes
Space	
Size and location(s) of waste storage areas	YES
Recycling bins placed next to waste bins	YES
Space provided for access to and the manoeuvring of bins/equipment	YES
Any additional facilities	YES
Access	
Access route(s) to deposit waste in storage room/area	YES
Access route(s) to collect waste from storage room/area	YES
Bin carting grade	YES
Location of final collection point	YES
Clearance, geometric design and strength of internal access driveways and roads	YES
Direction of traffic flow for internal access driveways and roads	YES
Amenity	
Aesthetic design of waste storage areas	YES
Signage – type and location	YES
Construction details of storage rooms/areas (including floor, walls, doors, ceiling design, sewer connection, lighting, ventilation, security, wash down provisions etc)	YES

Appendix B: Waste/Recycling Generation Rates

Premises type	Waste generation	Recyclable material generation
Backpackers' Hostel	40L/occupant space/week	20L/occupant space/week
Boarding House, Guest House	60L/occupant space/week	20L/occupant space/week
Food premises: Butcher Delicatessen Fish Shop Greengrocer Restaurant, Café Supermarket Takeaway food shop	80L/100m ² floor area/day 80L/100m ² floor area/day 80L/100m ² floor area/day 240L/100m ² floor area/day 10L/1.5m ² floor area/day 240L/100m ² floor area/day 80L/100m ² floor area/day	Variable Variable Variable 120L/100m ² floor area/day 2L/1.5m ² floor area/day 240L/100m ² floor area/day Variable
Hairdresser, Beauty Salon	60L/100m ² floor area/week	Variable
Hotel, Licensed Club, Motel	5L/bed space/day 50L/100m ² bar area/day 10L/1.5m ² dining area/day	1L/bed space/day 50L/100m ² bar area/day 50L/100m ² dining area/day
Offices	10L/100m ² floor area/day	10L/100m ² floor area/day
Shop less than 100m ² floor area Shop greater than 100m ² floor area	50L/100m ² floor area/day 50L/100m ² floor area/day	25L/100m ² floor area/day 50L/100m ² floor area/day
Showroom	40L/100m ² floor area/day	10L/100m ² floor area/day
Multi-Unit Dwellings ¹	80L/unit/week	40L/unit/week

Source: ¹ Appendix A, *Better Practice Guide For Waste Management In Multi-Unit Dwellings 2007*

Appendix C: Bin Sizes – Tweed Shire Council

Bin type	Height	Depth	Width
80 Litre Bin	910mm	550mm	475mm
120 Litre Bin	910mm	550mm	475mm
140 Litre Bin	910mm	600mm	530mm
240 Litre Bin	1050mm	720mm	580mm
360 Litre Bin (Recycling only)	1050mm	910mm	665mm
Size 1 Bulk Bin (1m ³)	1053mm	1020mm	2032mm
Size 2 Bulk Bin (2m ³)	1108mm	1200mm	2040mm
Size 3 Bulk Bin (3m ³)	1590mm	1536mm	1806mm

NOTE: Dimensions correct at time of printing, check with Council for most recent figures.