

# Appendix 2 Waste Requirements

## 1: Waste Management Plans

A waste management plan must be provided with development applications for all new developments that will generate construction, demolition or ongoing waste. Applicants will need to complete the three forms included in this Appendix.

Applicants should also make reference to the following documents that may provide additional guidance for ensuring that the development achieves the objective of best practice for waste and recycling management.

- NSW EPA, Better Practice Guide for Waste Management in Multi-Unit Dwellings, 2009
- NSW EPA, Better Practice Guidelines for Waste Management and Recycling in Commercial Buildings, 2013

Both publications are available at the NSW Environmental Protection Authority website [www.epa.nsw.gov.au](http://www.epa.nsw.gov.au).

### Demolition and construction phase

Describe the wastes that will be generated in the demolition and construction phases, and the subsequent separation, storage and disposal of those materials.

Prior to the demolition, alterations and additions or renovation work to any building constructed before 1987, the person responsible for such work must ensure that the building is assessed for hazardous materials, especially asbestos. This assessment should be prepared by a suitably qualified person, such as a contractor licensed by WorkCover, or an occupational hygienist / asbestos consultant that is a member of a relevant industry or professional association. The Waste Management Plan for a building constructed before 1987 must verify the type and amount of asbestos present and the work method proposed for its removal and disposal.

### Potential for Waste Minimisation

Some examples of avoidance and recycling potential of resources and materials are provided in the following table to assist in preparation of the waste management statement.

Materials On-Site	Waste Avoidance	Reuse and Recycling Potential
Significant trees	Design into new development	Relocated on-site or sold for use off-site
Soil	Avoid excess excavations	Power screened for topsoil
Vegetation from site clearance	Incorporate existing trees/shrubs into the landscape strategy/plan	Mulching, composting, for landscaping/fertiliser
Concrete	Retain existing driveways, paths, footings, slabs in design	Filling, levelling materials, road base
Bricks	Retain existing walls, buildings and fences	Cleaned and/or rendered, crushed.
Roof-tiles	Retain existing roof, colour treatments/ cleaning	Crushed, as landscaping, and driveways
Hardwood beams	Re-use or recycle on site	Fencing, furniture, construction.

Materials On-Site	Waste Avoidance	Reuse and Recycling Potential
Other timber	As above	Formwork, bridging, blocking, propping, construction
Doors, windows, fittings	Design as an architectural feature of the new development	Second-hand building materials
Glass	As above	Sandblasting, aggregate for concrete production
Synthetic and recycled rubber (e.g. under carpets)	Protect/cover and re-use	Safety barriers, speed humps, sports surfaces


Table W.1: Potential for Waste Minimisation

Note: Separated wastes attract reduced or zero disposal fees at licensed disposal facilities

## Waste Management Plan - Part One (Demolition Phase)

**Site Address:** 47-49 Wenke Street Yagoona NSW

### Section 1: Asbestos Declaration

	Unknown at this time	
	Does Demolition Contain Asbestos? Yes No <input type="checkbox"/> <input type="checkbox"/>	
	<b>All asbestos waste is to be managed in accordance with provisions of the NSW Work Health and Safety Regulation 2011</b>	
	Is the asbestos friable	<input type="checkbox"/> Yes (go to section 2) <input type="checkbox"/> No
	Is the asbestos non friable and over 10m <sup>2</sup>	<input type="checkbox"/> Yes (go to section 2) <input type="checkbox"/> No
	Is the asbestos non-friable and under 10m <sup>2</sup>	<input type="checkbox"/> Yes (go to section 3) <input type="checkbox"/> No

### Section 2: Asbestos Removal Details

<b>WorkCover Licence No. and Class:</b>	Details to be provided at CC stage
<b>Demolition Contractor Details:</b>	Details to be provided at CC stage
<b>Licensed Landfill:</b>	Details to be provided at CC stage

### Section 3: General Demolition Waste

Type of Material	Estimated Amount (m <sup>3</sup> )	How will you manage this waste?		
		Re-use On-site	Recycle Offsite	Landfill
Bricks	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Concrete	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Tiles	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Timber (clean)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timber (treated)	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Plasterboard	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Metals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Green Waste		<input type="checkbox"/>	<input type="checkbox"/> X	<input type="checkbox"/>
Other	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
<b>Principal Off-Site Recycler</b>		<b>Principal Licensed Landfill Site</b>		
		Eastern Creek Recycling Ecology Park		
		(TBC)		

## Waste Management Plan - Part Two (Construction Phase)

<b>Site Address:</b> 47-49 Wenke Crescent Yagoona				
<b>Section 1:</b> Estimated Amount of Excavation Material (m <sup>3</sup> ): 1,086m <sup>3</sup> approx		<input type="checkbox"/> Re-use on-site <input type="checkbox"/> Re-use off site (go to section 2) <input type="checkbox"/> Landfill Disposal (go to section 3)		
<b>Section 2:</b> Address if re-used off site: TBC				
<b>Section 3:</b> Name and Address of licensed landfill: TBC				
<b>Section 4:</b> Estimated Construction Material Waste				
Type of Material:  Note: QS to be engaged to minimise construction waste	Estimated Amount (m <sup>3</sup> ):	How will you manage this waste?		
		Re-use on-site	Recycle Offsite	Landfill
Bricks	2	<input type="checkbox"/>	<input type="checkbox"/> X	<input type="checkbox"/>
Concrete	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> X
Tiles	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timber (clean)	2	<input type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>
Timber (treated)	2	<input type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>
Plasterboard	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Green Waste	2	<input type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>
Other		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Off-Site Recycling Facilities</b>		<b>Licensed Landfill Site/s</b>		
North West Recycling Centre ----- (TBC) ----- -----		Eastern Creek Recycling Ecology Park ----- (TBC) ----- -----		

## Waste Management Plan - Part Three (Ongoing Use)

<b>Site Address:</b>		
<input type="checkbox"/> Residential Flat Building <input type="checkbox"/> Multi Dwelling Houses	<input type="checkbox"/> Boarding House <input type="checkbox"/> Other <u>Child care centre</u>	<input type="checkbox"/> Shop Top Housing <input type="checkbox"/> Non Residential Development
<i>Please complete Sections 1-3</i>		<i>Please complete Sections 1-4</i>

**Section 1: Generation of Waste**

RESIDENTIAL						
Number of dwellings	Rubbish generation/week (120L/dwelling)	Allocated rubbish bin size (140L or 240L)	TOTAL number of rubbish bins allocated	Recycling generation/week (80L/dwelling)	Allocated recycling bin size (240L)	TOTAL number of recycling bins allocated
N/A						
COMMERCIAL (if applicable)						
Premises Type	Rubbish generation/week (Based on type of premises and m <sup>2</sup> , see Appendix 3)	Size and number of rubbish bins	Collection frequency per week	Recycling generation/week (Based on type of premises and m <sup>2</sup> , see Appendix 3)	Size and number of recycling bins	Collection frequency per week
Childcare centre						
	1,250L	5 x 240L	2	625L	5 x 240L	2
*Note: best fit retail calculation shop over 100sqm using table						

**Section 2: Storage of Waste Bins**

1.	Is there sufficient space allocated within each dwelling for one day's waste and recycling?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2.	Is there a waste bin storage room/area provided?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	2a - What is the total area of bin storage provided?	10sqm
	2b - Is there sufficient space provided for the allocated rubbish and recycling bins plus handling? (see clause 6.9.4.1 and 6.9.4.2 for requirements)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	2c - Has a minimum 4m <sup>2</sup> bulky waste storage area been allocated?	Yes <input type="checkbox"/> No <input type="checkbox"/>
	2d - Have you submitted a detailed plan of the waste bin storage room/area, together with the nominated collection point and access pathway marked?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

3.	Are you using a compactor in the bin storage room? If NO, proceed to question 4	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	3a – Please detail the type of system (carousel, lineal, optic sensors, number of bins, automatic bin exchange, size etc.)	
	Manual collection from contractor to and from bin storage area along secondary frontage.	
	3b – What is the proposed compactor diameter?	N/A
	3c – What is the ceiling height of the waste bin storage room room?	N/A, external bin storage area
	3d – What is the proposed compaction ratio? (Must NOT exceed 2:1)	N/A
4.	Is there a garbage chute system installed? If NO, proceed to Section 3	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
	4a – Is there a service room provided on each storey?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
	4b – Is there sufficient space allocated for 2x 240L recycling bins in the service room(s)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
	4c – How many storeys will the chute service?	N/A

**Section 3: Collection of Waste**

1.	Is there a caretaker on-site responsible for managing waste?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
	1a - Designate which body is responsible for cleaning of waste storage areas	N/A
	1b - Designate which body is responsible for transfer of waste and recycling bins to and from the collection point (if applicable)	
2.	Are you proposing to use a waste bin presentation area for collection of waste?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3.	What is the maximum distance from the waste bin storage room/area to the street kerb?	3m
4.	Are you proposing for Council's collection contractor to enter the site to collect the bins? (see clause 6.9.4.3)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

**Section 4: Shop Top Housing and Non-Residential Development**

1.	Has a separate waste bin storage room/area been provided for commercial/retail tenancies?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
	1a - Does the waste bin storage room/area have sufficient space allocated for storage of estimated bins? (as per Section 1)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	1b - Is the waste bin storage room/area size and layout flexible to allow for future changes in use?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	1c - Have you provided the necessary requirements for storage and collection of specific wastes types (i.e food, medical, hazardous etc.)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

2.	Has sufficient space close to retail/commercial premises been allocated for storage of re-usable commercial items such as crates, pallets, kegs etc?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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## 2: Waste Generation Rates

### Guide Only

Type of Premises	Waste Generation	Recycling Generation
Backpackers accommodation	40Litres(L)/Occupant/week	20L/occupant/week
Boarding house, Guest house	60L/Occupant/week	20L/occupant/week
Food Premises:		
Butcher	80L/100m <sup>2</sup> floor area/day	Discretionary
Delicatessen	80L/100m <sup>2</sup> floor area/day	Discretionary
Fish Shop	80L/100m <sup>2</sup> floor area/day	Discretionary
Greengrocer	240L/100m <sup>2</sup> floor area/day	120L/100m <sup>2</sup> floor area/day
Hairdresser	60L/100m <sup>2</sup> floor area/day	Discretionary
Restaurants	10L/1.5m <sup>2</sup> floor area/day	2L/1.5m <sup>2</sup> floor area/day dining
Supermarket	660L/100m <sup>2</sup> floor area/day	240L/100m <sup>2</sup> floor area/day
Takeaway	80L/100m <sup>2</sup> floor area/day	Discretionary
Hotel	5L/bed/day 50L/100m <sup>2</sup> bar area/day 10L/1.5m <sup>2</sup> of dining area/day	50L/100m <sup>2</sup> of bar and dining areas/day
Licensed Club	5L/100m <sup>2</sup> bar area/day 10L/1.5m <sup>2</sup> of dining area/day	
Motel (without public restaurant)	5L/bed/day 10L/1.5m <sup>2</sup> of dining area/day	1L/bed/day
Offices	10L/100m <sup>2</sup> /day	10L/100m <sup>2</sup> /day
Retail (other than food sales):		
Shop less than 100m <sup>2</sup> floor area	50L/100m <sup>2</sup> floor area/day	25L/100m <sup>2</sup> floor area/day
Shop over 100m <sup>2</sup> floor area	50L/100m <sup>2</sup> floor area/day	50L/100m <sup>2</sup> floor area/day
Showrooms	40L/100m <sup>2</sup> floor area/day	10L/100m <sup>2</sup> floor area/day

Table W.2: Waste Generation Rates

Source: Better Practice Guide for Waste Management in Multi-Unit Dwellings, DECC, 2008