

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.

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: 31 WEBSTER ST, MILPERRA

Section 1: Asbestos Declaration

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

Section 2: Asbestos Removal Details

WorkCover Licence No. and Class:	<p>REFER TO PRELIMINARY SITE INVESTIGATION QUALIFIED PROFESSIONAL ADVICE WILL BE SOUGHT PRIOR TO WORKS COMMENCING</p>
Demolition Contractor Details:	
Licensed Landfill:	

Section 3: General Demolition Waste

Type of Material	Estimated Amount (m ³)	How will you manage this waste?		
		Re-use On-site	Recycle Offsite	Landfill
Bricks	7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concrete	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tiles	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timber (clean)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Timber (treated)	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plasterboard	8	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Metals	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Green Waste	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Principal Off-Site Recycler		Principal Licensed Landfill Site		
SIMS METAL: 43 ASHFORD AVE, MILPERRA, NSW		Kelso Waste Facility: 36 Panania, NSW		
BINGO INDUSTRIES: Recycling Centre Revesbv. 51 Violet St. Revesbv NSW				

Waste Management Plan - Part Two (Construction Phase)

Site Address: 31 WEBSTER ST, MILPERRA				
Section 1: Estimated Amount of Excavation Material (m³): 1	<input checked="" 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)			
Section 2: Address if re-used off site: N/A				
Section 3: Name and Address of licensed landfill: N/A				
Section 4: Estimated Construction Material Waste				
Type of Material:	Estimated Amount (m³):	How will you manage this waste?		
		Re-use on-site	Recycle Offsite	Landfill
Bricks	0.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concrete	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tiles	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Timber (clean)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Timber (treated)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plasterboard	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Green Waste	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Off-Site Recycling Facilities		Licensed Landfill Site/s		
SIMS METAL: 43 ASHFORD AVE, MILPERRA, NSW <hr/> BINGO INDUSTRIES: Recycling Centre Revesbv. 51 Violet St. Revesbv NSW <hr/> <hr/>		Kelso Waste Facility: 36 Panania, NSW <hr/> <hr/> <hr/>		

Waste Management Plan - Part Three (Ongoing Use)

Site Address: 31 WEBSTER ST, MILPERRA		
<input type="checkbox"/> Residential Flat Building <input type="checkbox"/> Multi Dwelling Houses	<input type="checkbox"/> Boarding House <input type="checkbox"/> Other _____	<input type="checkbox"/> Shop Top Housing <input checked="" type="checkbox"/> Non Residential Development
Please complete Sections 1-3		Please complete Sections 1-4

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
COMMERCIAL (if applicable)						
Premises Type	Rubbish generation/week (Based on type of premises and m ² , see Appendix 3)	Size and number of rubbish bins	Collection frequency per week	Recycling generation/week (Based on type of premises and m ² , see Appendix 3)	Size and number of recycling bins	Collection frequency per week
Club	2000L	4x 240L	6	1000L	4x 240L	2

Section 2: Storage of Waste Bins

1.	Is there sufficient space allocated within each dwelling for one day's waste and recycling?	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?	18 SQM
	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 ² bulky waste storage area been allocated?	Yes <input checked="" 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.)	4x RECYCLE BIN AND 4x GENERAL WASTE BINS
	3b – What is the proposed compactor diameter?	N/A
	3c – What is the ceiling height of the waste bin storage room room?	2.7m
	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 checked="" type="checkbox"/>
	4a – Is there a service room provided on each storey?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	4b – Is there sufficient space allocated for 2x 240L recycling bins in the service room(s)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	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 checked="" type="checkbox"/> No <input type="checkbox"/>
	1a - Designate which body is responsible for cleaning of waste storage areas	Staff Onsite
	1b - Designate which body is responsible for transfer of waste and recycling bins to and from the collection point (if applicable)	Staff Onsite
2.	Are you proposing to use a waste bin presentation area for collection of waste?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
3.	What is the maximum distance from the waste bin storage room/area to the street kerb?	130m
4.	Are you proposing for Council's collection contractor to enter the site to collect the bins? (see clause 6.9.4.3)	N/A

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 checked="" type="checkbox"/> No <input type="checkbox"/>
	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 ² floor area/day	Discretionary
Delicatessen	80L/100m ² floor area/day	Discretionary
Fish Shop	80L/100m ² floor area/day	Discretionary
Greengrocer	240L/100m ² floor area/day	120L/100m ² floor area/day
Hairdresser	60L/100m ² floor area/day	Discretionary
Restaurants	10L/1.5m ² floor area/day	2L/1.5m ² floor area/day dining
Supermarket	660L/100m ² floor area/day	240L/100m ² floor area/day
Takeaway	80L/100m ² floor area/day	Discretionary
Hotel	5L/bed/day 50L/100m ² bar area/day 10L/1.5m ² of dining area/day	50L/100m ² of bar and dining areas/day
Licensed Club	5L/100m ² bar area/day 10L/1.5m ² of dining area/day	
Motel (without public restaurant)	5L/bed/day 10L/1.5m ² of dining area/day	1L/bed/day
Offices	10L/100m ² /day	10L/100m ² /day
Retail (other than food sales):		
Shop less than 100m ² floor area	50L/100m ² floor area/day	25L/100m ² floor area/day
Shop over 100m ² floor area	50L/100m ² floor area/day	50L/100m ² floor area/day
Showrooms	40L/100m ² floor area/day	10L/100m ² floor area/day

Table W.2: Waste Generation Rates

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