

# Bunnings Penrith North

## Waste Management Plan

**Project:** Bunnings Bulky Goods Retailing  
**Suburb:** Penrith  
**Street Address:** 2169 Castlereagh Road Penrith NSW 2750  
**Author:** Bunnings Building Supplies Pty Ltd  
**Date:** 26 May 2014



### PART 1 TYPE OF DEVELOPMENT

Type of Development: Extension of Bagged Goods Canopy.

Commercial: Bulky Goods

### PART 2 GENERATION OF WASTE AND RECYCLABLES (FOR EXISTING RETAIL)

	Waste		Recyclables	
	All Wastes	Paper & Cardboard	Metals/Plastics/ Glass/Paperboard	Other (Describe)
Generation Rate (eg m <sup>3</sup> per 200m <sup>2</sup> of land per week)	0.7	90% of total	5% of total	5% of total
Property size for generation purposes (areas, meals, etc)	11,000 (shelving areas)			
Property size/200m <sup>2</sup> (lots of 200m <sup>2</sup> )	55			
Waste generation (m <sup>3</sup> per week)	38.5	34.65	1.92	1.92

- It should be noted that waste generation from a trading store comes mainly from the stocking of shelves. Product is taken via forklift from the 'top stock' (shelving above the racking) and the plastic wrapping removed from the pallet then cardboard cut from the tops only of boxes once the pallet is in a safe position lower in the rack. Once each carton is empty of stock the box is placed in paper and cardboard recycling.
- Other waste, to a much lesser extent, is generated via customers within the store. Typically this waste can be categorized as non-recyclable consisting largely of food waste and general scraps. While bins are provided throughout the store for this waste it is generally not sorted for recycling.

### PART 3 PROPOSED WASTE STORAGE CAPACITY – THIS PROJECT

Container Size	Number	Capacity : Cubic Metre
240L Split 240 Litre Bin	2	0.96
4.5 Cubic Metre	3	4.5
Total Capacity		
Number of Collections Per Week (2) + (3)	2(.96) + 3(4.5)	15.42
Weekly Capacity		46.26
Weekly Generation Rate	38.5	
Satisfactory?		Yes

- Compactor Capacity = 3 times the physical dimension to allow for 3:1 compaction ratio and use of standard generation rates.

### PART 4 PROPOSED RECYCLABLE CAPACITY – THIS PROJECT

Container Size	Paper & Cardboard		Metals/Plastics Glass/Paperboard		Other (Describe Below)	
	No.	Capacity m <sup>3</sup>	No.	Capacity m <sup>3</sup>	No.	Capacity m <sup>3</sup>
240L			1	0.96	1	0.96
4.5 Cubic Metre	1	4.5				
Total Capacity		4.5		0.96		0.96
Number of Collection Per Week	3		2		2	
Weekly Capacity		40.5		1.92		1.92
Weekly Generation Rate		38.5		1.92		1.92
Satisfactory?		Yes		Yes		Yes

- Compactor Capacity = 3 times the physical dimension to allow for 3:1 compaction ratio and use of standard generation rates.
- Please note that the figures included in the capacity tables (in Parts 2, 3 and 4) are generally a maximum likely output.

## PART 5 COLLECTION VEHICLE ACCESS AND TURNING PROVISIONS

1. Collection vehicles collect waste in pre-sorted bins as per the recycling categories in table 4.
2. Collection vehicles have been given required access to site.
3. All existing and proposed access driveways are designed to industrial standards to take heavy vehicles.
4. Internal roads are designed for heavy vehicle axial loads of 7 tonnes per axle.
5. Bunnings have consented to heavy vehicles entering the site.
6. Collection vehicles can drive through the site in a single direction.
7. Collection and waste storage is clear of any parking areas on site.
8. All containers can be emptied without manual handling.
9. All bin manoeuvring is on a concrete apron.
10. All bin manoeuvring is on a slope of 3% or less.
11. All access roads are in accordance with AS2890.1 and AS2890.27.
12. The overhead clearance is greater than 4.2 metres.

## PART 6 CONSTRUCTION STAGE

Materials on Site		Destination		
		Re-use and Recycling		Disposal
Type of Material	Estimated Volume (m3) or Area (m2)	On Site <ul style="list-style-type: none"><li>Reuse or on site recycling method</li></ul>	Off Site <ul style="list-style-type: none"><li>Contractor and recycling outlet</li></ul>	Contractor and landfill Site
Excavation Material	Nil		Not known until builder appointed following tender process.	
Green Waste	Nil			
Bricks	Nil			
Concrete	Nil			
Timber	Nil			
Plasterboard	Nil			
Metals	Nil			
Liquids	Nil			
Other	<1m³			

Note: Although tenders for construction have not commenced or a builder has not been appointed, generally builders waste is loaded directly in site bins and trucked to local waste management facilities.

It is generally not expected that any substantial amount of waste will be generated from the extension of the Bagged Goods canopy.