

APPENDIX C – WASTE MANAGEMENT STRATEGY

Struxi Design



Waste Management Strategy

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Revision Table

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CONTENTS

1	DEVELOPMENT DESCRIPTION	3
2	WASTE GENERATION CALCULATION	3
3	GENERAL WASTE.....	3
4	PRACTICAL INTERPRETATION.....	4
5	PROPOSED STORAGE CAPACITY.....	4
6	COLLECTION FREQUENCIES	4
7	FUTURE GROWTH OR OPERATIONAL CHANGES.....	5
8	TRADE WASTE.....	5
9	CONCLUSION.....	5

1 DEVELOPMENT DESCRIPTION

This Waste Management Report has been prepared for the proposed Hair and Beauty Salon development in accordance with the Toowoomba Regional Council (TRC) Technical Guideline for New Developments - General Waste and Recyclable Waste Storage and Collections.

The report assesses anticipated waste generation for the proposed development and demonstrates that the provision of:

- 2 × 240L General Waste Wheelie Bins
- 2 × 240L Recycling Wheelie Bins
- Kerbside collection service

Will be sufficient to cater for the needs of the proposed development. The assessment adopts a conservative approach by calculating waste generation based on the entire Gross Floor Area (GFA) of 330m², consistent with the waste generation methodology provided in Appendix A of the TRC Technical Guideline. The guideline identifies waste generation rates for Hairdressers/Beauty Salons of 60L/100m²/day for general waste generation, with no nominated rate for recycling. TRC further requires developments to estimate weekly waste generation and to provide appropriate storage and servicing arrangements based on the available collection frequency.

2 WASTE GENERATION CALCULATION

Appendix A of the technical guideline states that a Hairdressers/Beauty Salons can expect to generate the following:

- *General Waste Generation: 60L per 100m² per day*
- *Recycling Generation: Variable depending on business operations and packaging volumes.*

The guideline recommends estimating weekly waste generation and providing sufficient storage capacity based on the collection frequency.

3 GENERAL WASTE

Applying the Council generation rate to the 300m² operational floor area:

$$(330\text{m}^2 \div 100\text{m}^2) \times 60\text{L/day} \\ = 198\text{L/day}$$

Assuming a 7-day storage period between collections:

$$198\text{L/day} \times 7 \text{ days} \\ = 1,386\text{L/week}$$

The calculated weekly generation rate is therefore, 1,176L/week of general waste, which equates to a 5 x 240 L bin

4 PRACTICAL INTERPRETATION

The Council rates are intended to be conservative planning figures and are applied across a broad range of developments. The actual waste characteristics of a hair and beauty salon are slightly different from many other commercial uses because:

- Hair clippings comprise a substantial proportion of the waste stream and have very low density.
- Product cartons, paper and plastic packaging are readily recyclable and diverted from general waste.
- Most beauty treatment waste is lightweight and compact.
- Staff-generated waste is relatively minor.
- No food preparation or high-volume refuse-generating activities are proposed.

The recyclable waste stream is expected to consist primarily of cardboard cartons, paper products and plastic packaging generated through product deliveries and day-to-day business operations. Given the nature of the proposed use, the volume of recyclable material generated is anticipated to be substantially lower than the total waste generation rate, with weekly recycling collection considered adequate to service the development.

5 PROPOSED STORAGE CAPACITY

The development proposes the use of a total of 4x 240L Wheelie bins.

Waste type	Bin Provision	Static Capacity
General Waste	2 × 240L MGBs	480L
Recycling	2 × 240L MGBs	480L
Total	4 × 240L MGBs	960L

6 COLLECTION FREQUENCIES

As provided via email confirmation on 14/08/2026 by JJR's Waste and Recycling, waste collection frequencies are available as follows:

- **General Waste:** up to two collections per week as standard, with the ability to increase servicing frequencies where operationally required (up to four collections per week).
- **Recycling:** up to one collection per week.

General Waste Bins

Static storage:

$2 \times 240L = 480L$

With two collections per week:

$480L \times 2 = 960L/\text{week}$

If demand increases and additional services are required:

$480L \times 4 = 1,920L/\text{week}$

Therefore, the available general waste servicing capacity ranges between:

960L/week and 1,920L/week

This comfortably exceeds the anticipated operational waste generation for the proposed hair and beauty salon.

2 x 240L Recycling Bins

Static storage:

$2 \times 240\text{L} = 480\text{L}$

With weekly recycling collection:

480L/week

This capacity is considered sufficient for the proposed development. Although the static onsite general waste storage capacity is 480 litres, the proposed collection regime provides a substantially greater effective servicing capacity. The availability of increased collection frequencies enables the waste management system to respond to fluctuations in demand and peak operational periods without requiring additional onsite storage infrastructure. Consequently, the effective weekly servicing capacity exceeds the anticipated waste generation rate, ensuring adequate waste management outcomes are maintained at all times.

7 FUTURE GROWTH OR OPERATIONAL CHANGES

The proposed arrangement provides significant flexibility for:

- increases in customer patronage;
- increased retail product sales;
- seasonal demand fluctuations; and
- changes in waste generation patterns.

Should operational waste volumes increase over time, additional collection frequency may be utilised without requiring expansion of the waste storage area.

8 TRADE WASTE

It is understood that the development for a hair and beauty salon falls under Category 1, trade waste. See excerpt below from TRC trade waste category description:

Category 1 General low impact

Generators where nil or minimal pre-treatment is required. This includes industries such as hairdressers, dental, optical, photographic processing and the like.

Flows up to and including 200kL per annum - minimum charge

Greater than 200kL per annum – minimum charge plus volumetric charge for flow exceeding 200 kilolitres

Accordingly, it is proposed that the waste water will be screened for contaminants before discharging into council's sewer infrastructure.

9 CONCLUSION

Based on the 330m² gross floor area, the provision of four wheelie bins (2 x 240L general waste and 2 x 240L recycling) with kerbside collection is considered sufficient and appropriate for the proposed hair and beauty salon development. The proposed bin capacity is considered sufficient, particularly with the added flexibility to increase the frequency of collection.