

SUPPLEMENT TO ANNEXURE A WASTE MANAGEMENT PLAN

(22/12/ 2017)

TO ACCOMPANY
**THE DEVELOPMENT APPLICATION
WASTE MANAGEMENT PLAN ANNEXURE A FORM**
FOR
NEW SENIORS NURSING HOME FACILITY
AT
45 HILLVIEW STREET, WOY WOY, NSW

1. INTRODUCTION

This supplementary annexure document, is prepared to accompany the DA application and the main Waste Management Plan pro-forma document, that is submitted to for the proposed new nursing home facility at 45 Hillview Street, Woy Woy.

(The previous development consent number on this site is: DA 30219 part 6/ 2006).

This document is to be read in conjunction with the completed proforma Waste Management Plan document of 7 pages.

For further relevant information, also refer to the 13 pages Architectural Report submitted with the application.

2. DESCRIPTION

The proposed nursing home has 160 beds across its 150 resident rooms.

Within the proposed building, will be a central commercial kitchen facility, operating full time, preparing all of the meals for the nursing home, as well as also receiving all dirty dishes and washing and processing them etc.

The facility will also have its own central self contained commercial grade laundry facility.

Re: Waste Collection Contractor:

The waste collection contract for the whole complex will be handled by specialist national waste management contractor.

2. WASTE GENERATION MONTHLY BY THE PROPOSED DEVELOPMENT

The number of beds in the subject development (in nursing home mode), will be : 160 beds.

- Designation: 'Bin'

- Category: **General Waste**

- Use: all general waste including the kitchen waste from the large central kitchen, not otherwise in the other categories listed below.

- Bin size: 1,100L

- Rate: conservatively: a rate of 0.056 bins per bed.

- General waste bins needed therefore = 160×0.056 bins

- Equals an extra 8.96 of these 1,100L litre type of bins generated per month by the 160 beds.

Quantity: The number of these bins (or part bins) therefore generated / collected each month: = 9 off.

Allowing for one collection event per week to remove from site, conservatively the physical number of these 1,100L bins needed per week = 3.

(being up to 2 per week, plus 1 spare)

- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.

- This category of waste is by volume, almost entirely generated at the central kitchen and logistics facility of the complex, where all of the meals etc will be prepared.

- Designation: 'Recycle Bin'

- Category: **Recycling of Paper & Cardboard**

- Use: paper and cardboard only.

- Bin size: 1,100L

- Rate: conservatively: a rate of 0.011 bins per bed.

- Recycle bins needed therefore = 160×0.022 bins

- Equals an extra 3.52 of these 1,100 litre type of bins generated per month by the 160 beds.

Quantity: The number of these bins (or part bins) therefore generated / collected each month: = 4 off.

Allowing for one collection event per week to remove from site, conservatively the physical number of these 1,100L bins needed = 3.

(being up to 2 per week, plus 1 spare)

- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.
- This category of waste is by volume, almost entirely generated at the central kitchen and logistics facility of the complex, where all of the meals etc will be prepared.

• Designation: **'Co-Mingle cart'**

- Category: Recycling of glass & certain plastics
- Use: glass bottles, jars, plastic bottles containers etc.
- Bin size: 660 Litre
- Rate: conservatively: a rate of 0.025 bins per bed.
- Co-Mingle cart bins needed therefore = 160×0.025 bins
- Equals an extra 7.5 of these 660 litre type of bins generated per month by the 160 beds.

Quantity: The number of these bins (or part bins) therefore generated / collected each month:
= 4 off.

Allowing for one collection event per week to remove from site, conservatively the physical number of these 660L bins needed = 4.

(being up to 2 per week, plus 2 spare)

- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.
- This category of waste is by volume, is almost entirely generated at the central kitchen and logistics facility of the complex, where all of the meals etc will to be prepared.
- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.

• Designation: **'Conf Cart'**

- Category: Confidential waste
- Use: waste that is specially designated for confidential shredding and destruction.
- Bin size: 240 Litre
- Rate: conservatively: a rate of 0.0084 bins per bed.
- Conf Cart bins needed therefore = 160×0.012 bins
- Equals an extra 1.9 of these 240 litre type of bins generated per month by the 1600 beds.

Quantity: The number of these bins (or part bins) therefore generated / collected each month:
= 2 off.

Allowing for one collection event per week to remove from site, conservatively the physical number of these 240L bins needed = 2

(being up to 1 per week, plus 1 spare).

- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.

- **Designation: 'Cytotoxic Bin'**

- Category: Clinical waste
- Use: clinical, bio, sharps etc.
- Bin size: 240 Litre
- Rate: conservatively: a rate of 0.0084 bins per bed.
- Cytotoxic bins needed therefore = 160×0.0084 bins
- Equals an extra 1.4 of these 240 litre type of bins generated per month by the 160 beds.

Quantity: The number of these bins (or part bins) therefore generated / collected each month:
= 2 off.

Allowing for one collection event per week to remove from site, conservatively the physical number of these 240L bins needed = 2.

(being up to 1 per week, plus 1 spare)

- Operational staff of the complex, will manage the progressive transfer their contents to the central waste collection facility in the building as needed.

5. SUMMARY

In gathering together the above calculations for the new bin types and quantities to be allocated, the building will be provided with waste management room accommodating the following with clearly displayed signage for each:

5.1 Building A (71 beds)

- General Waste: 1,100L bins – 3 off
- Paper & Cardboard Recycle: 1,100L bins – 3 off
- Glass & Plastics Recycle: 660L bins – 4 off
- Confidential 240L bins – 2 off.
- Cytotoxic 240L bins – 2 off.

These quantities also include for spare empty bin numbers, as described in this report.

Therefore, total by size:

1,100L bins – 6 off

660L – 4 off.

240L – 4 off.

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