

30th March 2020

TO WHOM IT MAY CONCERN

WASTE MANAGEMENT PLAN – AUTISM WA, JOONDALUP

Revision	Date	Notes
0	30 th March 2020	Initial issue
1	17 th August 2020	Construction waste, amended site plan, 660 litre bins

Cameron Chisholm
& Nicol (WA) Pty Ltd

Level 3
Sheffield House
713 Hay Street
Perth WA 6000

GPO Box D185
Perth WA 6840

T +61 (0)8 9322 1566
E ccn@ccnwa.com.au
W ccnwa.com.au

ACN 053 861 948

1.0 Introduction

The proposed Early Intervention centre for the Autism Association of Western Australia (Autism WA) at 25 Sundew Rise in Joondalup is small version of the Autism WA's headquarters in Shenton Park. The area of the proposed building in Joondalup is approximately 50% of the existing building in Shenton Park. As the activities are similar, it is to be expected that the kind of waste is similar: general waste and recycling.

2.0 Waste Collection Service

The City of Joondalup has indicated they do not provide waste collection for commercial premises. Autism WA will engage a private waste collection company for collection of their waste. Private waste collection companies active in Joondalup include:

- Cleanaway
- JJ Richards
- Remondis
- Instant Waste
- Veolia

3.0 Site

The site has a number of limitations for waste collection:

- a. There are 132 kV power lines running across the site, which impose limitations for the height of vehicles which can enter the site.
- b. The early intervention centre provides support for children in the age of 3-15 years old on the autism spectrum.
- c. The level of the site is approximately 2,5 meters above street level.

As the waste is required to be collected within in the site, the recommendation is this takes place with a smaller vehicle with a rear lift capacity, ideally outside of normal office hours.



Figure 1: Site plan with bin store.





4.0 Waste Management

The tables below are based on the current waste collection at Autism WA in Shenton Park. Numbers have been converted to 660 litre Mobile Garbage Bins (MGB's) and weekly collection.

General									
Autism WA, Shenton Park									
<i># bins</i>	<i>size</i>	<i>frequency</i>	=		=	<i># bins</i>	<i>size</i>	<i>frequency</i>	
8	240	weekly	=		=	2.91	660	weekly	
1	1100	twice a week	=	2200	weekly	=	3.33	660	weekly
						6.24			

General Waste			
Autism WA, Joondalup (half size of Shenton)			
	<i># bins</i>	<i>size</i>	<i>frequency</i>
	1.45	660	weekly
	2.00	660	weekly
TOTAL	3		

4.1 Recycling

Recycling									
Autism WA, Shenton Park									
<i># bins</i>	<i>size</i>	<i>frequency</i>	=		=	<i># bins</i>	<i>size</i>	<i>frequency</i>	
4	240	fortnightly	=		=	1.45	660	weekly	
1	1100	weekly	=	1100	weekly	=	1.7	660	weekly
						3.1			

Recycling			
Autism WA, Joondalup (half size of Shenton)			
	<i># bins</i>	<i>size</i>	<i>frequency</i>
	0.727	660	weekly
	0.833	660	weekly
TOTAL	1.6		

Based on above, the bin store for Autism WA in Joondalup needs to accommodate:

- 3 x 660 litre MGB for general waste
- 2 x 660 litre MGB for recycling

This is based on weekly collection.

4.2 Bulk Waste

Autism WA will be responsible for their own bulk waste collection, through a private waste collection company. As bulk waste is incidental, there is no bulk waste store on site.



5.0 Bin Store

The bin store is located on the south-western end of the site, near the crossover (see site plan). The bin store has an area of 18 m², which is adequate for the estimated 5 x 660 litre MGB.

Element	Requirement	Proposal
Floor	Impermeable	Concrete floor with epoxy coating
Walls	Impermeable, solid construction	Rendered blockwork, 1800 mm high. Internally, painted in light colour with epoxy paint; externally colour to match site works
Roof	-	None
Ventilation	Mechanical or natural ventilation. Exhaust away from windows or intake vents	Natural ventilation, no roof.
Doors	Self closing doors to limit ingress of vermin	Self closing metal clad gate.
Lighting	Sufficient lighting for use after dark	Ambient light from light pole nearby, if needed supplemented with sensor operated light inside bin store.
Washdown	Include a hose cock and charged waste trap, connected to sewer	Hose cock and floor waste included.

6.0 Waste Management responsibilities

Autism WA will be responsible themselves for engaging a private waste collection contractor. The waste contractor will be required to take the bins from the bin store, empty them and place them back in the bin store.

7.0 Construction Waste

In the specifications for the construction, a section will be incorporated to require the builder to separate waste to enable the diversion of a portion of the construction waste from landfill to recycling. Typical waste streams for construction waste are:

- Metals
- Polystyrene
- Cardboard
- General waste

Note: The project is not trying to achieve Greenstar accreditation.

Prepared for Autism Association of Western Australia.

Date: 30th March 2020; Updated: 17th August 2020

Irold van der Sar
Associate
Cameron Chisholm & Nicol (WA) Pty Ltd