



Autorecyclers Pty Ltd  
Waste Management Plan  
Metal Recovery & Recycling Facility

57 Tattersall Road, Kings Park

October 2019

ENGINEERING  
PLANNING  
PROJECT MANAGEMENT  
SURVEYING  
CERTIFICATION

© Copyright Barker Ryan Stewart Pty Ltd  
2019 All Rights Reserved

Project No.	CC160136
Author	DF
Checked	KS
Approved	KS

Rev No.	Status	Date	Comments
KS	SSD app	21.10. 2019	

#### **COPYRIGHT**

Barker Ryan Stewart reserves all copyright of intellectual property in any or all of Barker Ryan Stewart's documents. No permission, licence or authority is granted by Barker Ryan Stewart to any person or organisation to use any of Barker Ryan Stewart's documents for any purpose without the written consent of Barker Ryan Stewart.

#### **REPORT DISCLAIMER**

This report has been prepared for the client identified in section 1.0 only and cannot be relied on or used by any third party. Any representation, statement, opinion or advice, expressed or implied in this report is made in good faith but on the basis that Barker Ryan Stewart are not liable (whether by reason of negligence, lack of care or otherwise) to any person for any damage or loss whatsoever which has occurred or may occur in relation to that person taking or not taking (as the case may be) action in any respect of any representation, statement, or advice referred to above.

This report is for development application purposes only and is not to be relied upon for construction purposes. The waste calculations included in the report are an estimate only, based on the plans and documents supplied by the client and waste generation guidelines from Council, the EPA and other third parties. This report is a guideline only and should not be used as a basis for feasibility studies, safety procedures, operational costs, demolition / construction estimates or bills of quantities. Should waste generation be higher than expected, the site manager shall make appropriate adjustments to accommodate additional waste. Any equipment recommended in this report shall be assessed by the supplier and site manager to determine it is fit for the intended purpose.



**SYDNEY**  
P (02) 9659 0005  
E [sydney@brs.com.au](mailto:sydney@brs.com.au)

**CENTRAL COAST**  
P (02) 4325 5255  
E [coast@brs.com.au](mailto:coast@brs.com.au)

**HUNTER**  
P (02) 4966 8388  
E [hunter@brs.com.au](mailto:hunter@brs.com.au)

**SOUTH EAST QUEENSLAND**  
P (07) 5582 6555  
E [seqld@brs.com.au](mailto:seqld@brs.com.au)

# TABLE OF CONTENTS

	<b>Page numbers</b>
1 Author and Project Details.....	4
2 Council Requirements .....	6
3 Demolition .....	7
3.1 Waste Generation .....	7
3.2 Waste Management .....	7
3.3 Waste Avoidance and Reduction .....	7
4 Construction.....	7
4.1 Waste Generation .....	7
4.2 Waste Management .....	8
4.3 Waste Avoidance and Reduction .....	8
5 Ongoing Operation .....	9
5.1 Waste Storage .....	9
5.2 Waste Storage .....	9
5.2 On-going Waste Removal Procedures .....	9
5.3 Education .....	10
5.4 Waste Access & Storage Location .....	10
6 Plans and Drawings.....	10

# 1 Author and Project Details

## AUTHOR DETAILS

Name	Barker Ryan Stewart
Address	Studio 5, 78 York Street, East Gosford
Phone number(s)	4325 5255
Email	coast@brs.com.au

## DEVELOPMENT DETAILS

Project Details	Metal Recovery and Recycling facility
Address of Development	57 Tattersall Road, Kings Park
Existing Buildings and other structures currently on the site	<p>The site currently contains a waste metal recycling facility and a car dismantling and auto recycling yard and includes the sale of second hand motor vehicle parts. The property includes a number of buildings associated with these uses including offices, sales area and sheds (refer to Figure 1 below).</p> <p>Northern area:</p> <ul style="list-style-type: none"> <li>• Building 1      2-storey office building</li> <li>• Building 2      storage</li> <li>• Building 3      workshop and storage</li> <li>• Building 4      workshop and storage</li> <li>• Building 5      demountable office and access to self-serve spare parts recycling yard</li> </ul> <p>Buildings 3 and 4 comprise the main workshop area and include the end-of-life vehicle (ELV) facility and the storage of spare parts, batteries and tyres.</p>
Description of proposed development	<p>The application involves the following:</p> <ul style="list-style-type: none"> <li>• Permission to process 130,000 tons of scrap metal per year;</li> <li>• Operation of a pre-shredder, hammermill, and downstream processing equipment;</li> <li>• Operation of a shear and construction of concrete slab;</li> <li>• Operation of a copper granulator</li> <li>• Internal site layout and circulation amendments; and</li> <li>• Consolidation of all existing approvals and current applications.</li> </ul>

The details on this WMP are the provisions and intentions for minimising waste relating to this project. All records demonstrating lawful disposal of waste will be retained and kept readily accessible for inspection by regulatory authorities such as council, OEH or WorkCover NSW.

## 2 Council Requirements

This WMP has been prepared having regard for the specific waste management objectives of the Blacktown Development Control Plan (DCP) 2015 and the aims and objectives of the NSW Waste Avoidance and Resource Recovery (WARR) Act 2001. These objectives include:

### DCP

- Maximise reuse and recycling of building and construction materials, household generated waste and industrial/commercial waste
- Assist in achieving Federal and State Government waste minimisation targets
- Help minimise the overall environmental effects of waste.

### WARR

- to encourage the most efficient use of resources and to reduce environmental harm in accordance with the principles of ecologically sustainable development,
- to ensure that resource management options are considered against a hierarchy of the following order:
  - avoidance of unnecessary resource consumption,
  - resource recovery (including reuse, reprocessing, recycling and energy recovery),
  - disposal,
- to provide for the continual reduction in waste generation,
- to minimise the consumption of natural resources and the final disposal of waste by encouraging the avoidance of waste and the reuse and recycling of waste,
- to ensure that industry shares with the community the responsibility for reducing and dealing with waste,
- to ensure the efficient funding of waste and resource management planning, programs and service delivery,
- to achieve integrated waste and resource management planning, programs and service delivery on a State-wide basis,
- to assist in the achievement of the objectives of the *Protection of the Environment Operations Act 1997*.

### 3 Construction

Waste management during construction will be reinforced through the construction management plan. The reuse recycling contractor and landfill site for disposal to be determined at Construction Certificate stage.

The remaining waste to be transported to a recognised builders recycling yard or waste facility.

#### 3.1 Waste Generation

This waste generation relates to the site preparation works for the carpark, driveway, civil works and waste storage areas, as well as the installation of the prefabricated shed and office building.

TYPE OF WASTE GENERATED	REUSE	RECYCLE	DISPOSAL	COMMENT
	Estimate Volume (m <sup>3</sup> )	Estimate Volume (m <sup>3</sup> )	Estimate Volume (m <sup>3</sup> )	Specify method of on-site reuse, contractor and recycling outlet and/or waste depot to be used
Excavation material	372 m <sup>3</sup>	-	-	Excavated materials will be reused as fill on other developments or on-site. If transported for use off site, sampling and testing to be undertaken in accordance with EPA Resource Recovery Order 2014 or classified as general solid waste (non-putrescible) and disposed of at a licenced facility.
Concrete		-	-	Any excess concrete will be retained in the truck and used elsewhere.
Timber	7.0m <sup>3</sup>	-	-	Transferred to waste management facility or recycling facility.
Steel reinforcing	3.0 m <sup>3</sup>	1.0 m <sup>3</sup>	-	Transferred to waste management facility or recycling facility.
Piping/conduit	2.4 m <sup>3</sup>	1.0 m <sup>3</sup>	-	Transferred to waste management facility or recycling facility.
Tiles (roof)	-	-	-	Transferred to waste management facility or recycling facility.
Metal (roofing/ framing)	-	2.6m <sup>3</sup>	-	Transferred to waste management facility or recycling facility.
Glass	-	-	-	All glass will be made to order
Furniture	-	-	-	Not at this stage.
Fixtures / fittings	-	-	-	Fixtures will be made to order.
Floor coverings	-	-	-	Transferred to waste management facility or recycling facility.
Packaging (used pallets / pallet wrap)	7.5 m <sup>3</sup>	2.5m <sup>3</sup>	-	Pallets to be reused by contractor or transferred to a Material Recovery Facility. Wrap and packaging will be a transferred to Council's Waste Management Facility by contractor.

<b>Garden organics</b>	2.0 m <sup>3</sup>	-	-	Organic material will be mulched and re-used onsite or recycled through a private contractor or Council's green waste program.
<b>Containers (cans / plastic / glass)</b>		2.5m <sup>3</sup>	-	Containers will be a transferred to Councils Waste Management Facility.
<b>Paper / cardboard</b>		4.5m <sup>3</sup>	-	Transferred to waste management facility or recycling facility.
<b>Residual waste</b>		-	6.0m <sup>3</sup>	Residual waste will be transferred to Councils Waste Management Facility.
<b>Hazardous / special waste (specify)</b>	-	-	-	No hazardous materials will be utilised in the construction.
<b>Other</b>	-	-	-	NA

### 3.2 Waste Management

Waste management during demolition and construction will be provided as part of a construction management plan included as part of the construction certificate process.

### 3.3 Waste Avoidance and Reduction

- All fixtures and fittings will be made to measure;
- All materials will be ordered in accordance with a bill of quantities;
- Recycled materials will be utilised where ever possible;
- Measures will be taken to ensure the construction contractor is aware of the waste management procedures and adheres to appropriate guidelines.
- Salvage materials for recycling and reuse during the construction process; and
- The remaining waste to be transported to a recognised builders recycling yard or waste facility.

## 4 Ongoing Operation

### 4.1 Waste Storage

The below tables show the existing waste generation and expected waste generation from the business operations and staff amenities aspect of the development. This excludes waste collected for commercial purposes.

DCP REQUIREMENTS	RECYCLABLES	GENERAL WASTE	GREEN WASTE
<b>COMMERCIAL</b>			
Amount generated (L per day)	33L	65L	240L bin removed fortnightly, or removed by private contractor.
Amount generated (L per week)	231L per week	455L	
Number and size of bins	1 x 240L <b>Total Cycle 240L</b> Removed weekly	2 x 240L <b>Per Cycle 480L</b> Removed weekly	

### 4.2 Waste Storage & Collection

Office	Forecast Volume / week	Onsite storage facilities	Collection Frequency
Paper, cardboard, glass, plastic, ink cartridges and electronic equipment sorted and recycled by VEOLIA.	Paper, cardboard, ink cartridges, glass, plastic, rubber	10m <sup>3</sup> forklift bin.	Collected by VEOLIA monthly and non-recyclables disposed of at a licenced facility.
Operational	Avoid	Re-use / Recycle	Dispose
Fuel		Rush Metal Recyclers reuses fuel drained from vehicles in company vehicles and equipment	Waste fuel collected in a 980L self-bunded tanks and disposed of at a licenced facility.
Oil		Waste fuel collected in a 980L self-bunded tanks and disposed of at a licenced facility	
ULABs	Rush Metal Recyclers will not accept rechargeable batteries of any kind, including lithium-ion, nickel cadmium & nickel-metal hydride of any kind, including lithium-ion, nickel cadmium & nickel-metal hydride	ULABs stored undercover in bound and wrapped on spill trays. Removed by a licenced contractor for reuse.	

- **Maintenance:** Management shall be responsible for the maintenance of signage, the security of the waste storage area, and the maintenance and security of the waste lift.

- **Hygiene:** An arrangement will be made with a bin cleaning contractor for regular bin cleaning. The bin contractor will provide a specialised filtration service to ensure pollutants are collected by the mobile unit and appropriately disposed in accordance with EPA Guidelines.

## 4.2 Education

- Staff will be supplied with a copy of the WMP to inform them on the concepts of waste minimisation and recycling.
- Appointed staff members will monitor the waste areas and report to centre management on any issues that require rectification.