

**RICHARD CROOKES**  
  
CONSTRUCTIONS

**LANG WALKER MEDICAL RESEARCH BUILDING  
JOB NO. 1317**

# **CONSTRUCTION WASTE MANAGEMENT PLAN**

11 October 2023



This plan has been approved for use by the following:

Approved by / Date



11.10.2023

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Approved by / Date

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## REVISION REGISTER

REVISION DATE	REVISION DESCRIPTION	PMS INITIALS (ACCEPTANCE OF CHANGES)
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# 1 INTRODUCTION

This Construction Waste Management Plan forms part of the Project Management Plan for the Lang Walker Medical Research Building, Campbelltown.

This Plan shall be read in conjunction with the Waste Management Plan (ref: 610.30401-R01-v4.0) by SLR Consulting dated January 2023.

## 1.1 PURPOSE OF THE PLAN

Richard Crookes Constructions (RCC) recognises the importance of promoting building design and construction techniques which minimise waste and provides an efficient recycle procedure for all waste material.

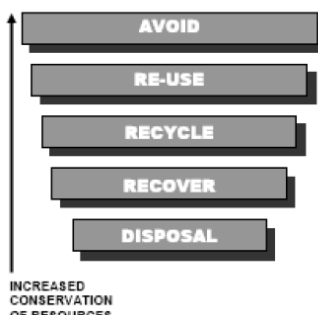
The purpose of this plan is to outline processes for:

- Objectives and Targets;
- Operational Controls;
- Recording, Monitoring Corrective Action; and,
- Reporting.
- How Condition B17 (c) is addressed. **Refer to Soil Remediation Management Plan,**

## 2 RCC OBJECTIVES AND TARGETS

RCC's overall objective is to achieve a minimum of (80%) for recycled waste (by weight) generated by the Project.

The Operational Controls implemented to achieve this include:

Operational Controls		Method of Recording
General	<p>Identify any hazardous and toxic materials (e.g. asbestos) and comply with SafeWork NSW requirements.</p> <p>Develop project Waste Management Plan.</p> <p>Try not to over-order on materials (initial waste avoidance).</p> <p>Communicate housekeeping &amp; litter reduction rules with subcontractors during contract letting and site inductions.</p>	<p>Hazardous substance survey</p> <p>Waste Records</p> <p>Inductions</p>
Implement the waste hierarchy – avoid, reuse, recycle and lastly disposal to landfill.		
<p><b>Waste Minimisation Hierarchy</b></p>  <p>The diagram illustrates the Waste Minimisation Hierarchy as a series of five horizontal bars of decreasing length, stacked vertically. From top to bottom, the bars are labeled: AVOID, RE-USE, RECYCLE, RECOVER, and DISPOSAL. To the left of the bars is a vertical arrow pointing upwards, with the text 'INCREASED CONSERVATION OF RESOURCES' at its base.</p>		
Demolition Plan	<p>Demolition disposal for concrete, bricks, plasterboard, timber, tiles, PVC, metal, paper &amp; cardboard, glass, appliance, carpet, vegetation, soil – to Recycled Facility .</p> <p>Asbestos ACM to be removed by a licenced contractor (up to 30 June 2007 &gt;200m2, 1 July 2007 &gt; 50m3, from 1 Jan 2008 &gt; 10m2 of bonded asbestos) &amp; managed in accordance with WHS Act &amp; Regulation 2012 and EPA requirements.</p> <p>Lead paints &amp; dusts will be removed using wet sanding and vacuum techniques (cleaners which comply with AS/NZS 3544 Industrial vacuum cleaners for particulates hazardous to health). Waste will be contained within sealed plastic bags for disposal. Clean up with a wet mop.</p>	<p>Monthly Waste Report</p> <p>Disposal dockets</p>
Consider recycling reprocessing	<p>Where practicable:</p> <p>Timber for reuse or mulching</p> <p>Aluminium wall frames – reprocess</p> <p>Plasterboard – recycled or use as soil improvers</p> <p>Steel – reprocess</p> <p>Toughened Glass – reprocess</p> <p>Carpet &amp; underlay – reprocess &amp; mulch mats</p>	<p>Monthly Waste Report</p>
Product Stewardship	<p>Investigate returning waste to the supplier? (e.g. plasterboard, packaging)</p>	<p>Contract/ Supply agreem'ts</p>

Operational Controls		Method of Recording
Putrescibles Waste	Putrescible waste is to be contained in bins and collected by licenced contractor for disposal	Invoices
Contaminated Soils	Contaminated soils will be excavated and classified in accordance with NSW EPA (2014) Waste Classification Guidelines – <a href="http://www.environment.nsw.gov.au/waste/envguidlms/index.htm">www.environment.nsw.gov.au/waste/envguidlms/index.htm</a> . <b>Refer to Soil Remediation Management Plan</b>	RAP Reports Test Reports Waste Records Disposal Dockets
Virgin Excavated Natural Materials (VEMN)	VENM excavated from site with suitable compaction qualities will be beneficially re-used on other construction sites whenever possible. Disposal to landfill will be the last option.  No fill will be received on site that does not comply with EPA guidelines i.e. Contamination limits appropriate to the development.	Test Reports Waste Records Disposal Dockets
Acid Sulphate Soils (ASS)	Potential for acid sulphate soils ASS will be assessed based on the sites proximity to low-lying coastal areas e.g. coastal plains, wetlands and mangroves where the surface elevation is less than five metres above mean sea level.  If suspected, consultant to prepare Acid Sulphate Soil Management Plan (ASSMP).  Excavation and neutralisation to be supervised by consultants as per ASSMP.	ASSMP Test Reports Product delivery (lime) dockets Site Plans
Monitoring	Bin(s) with heavy lids shall be provided for putrescibles waste.  Daily inspections shall be carried out to ensure the worksite is litter free.	Env. Inspection Checklist
Reporting	Waste reports/management plans indicate estimated waste min (80%) of accumulated totals for the project.	Monthly Reports
Non-Compliance	Generation of water pollution and/or air pollution from onsite waste storage.  Inappropriate/illegal off-site disposal of waste materials.  Asbestos & CCA treated timber contamination of recoverable waste stream thereby requiring landfill disposal.	Env. Inspection Checklist Incident Report, NCRS
Emergency Response	No specific requirements associated with waste management.  Scenarios such as spill, fires, explosions covered by the project emergency response plans.	Incident Report

## 2.1 ESTIMATED WASTE QUANTITIES: USE THIS TO ESTIMATE THE WASTE QUANTITIES

Refer to the quantities on *Page 18* of the Waste Management Plan (ref: 610.30401-R01-v4.0) provided by SLR Consulting dated January 2023.

### 3 REPORTING

#### **Greenstar:**

The Project Green Star Administrator will be responsible for collecting monthly waste reports (Form 18.1) or utilising the waste subcontractor reporting format and issuing them to the Project Manager and Client Representative.

These reports will measure the weight of waste generated of material by classification, total weight of waste, percentage by weight recycled and percentage by weight to landfill.

#### **General waste reporting:**

Nominated member of the project team will be responsible for collecting monthly waste reports and issuing them to the Project Manager and Client Representative.

These reports will measure the weight of waste generated of material by classification, total weight of waste, percentage by weight recycled and percentage by weight to landfill.

To comply with the project Greenstar requirements, RCC shall ensure all waste contractors and waste process facilities provide waste management and reporting service must either:

- Hold a “Compliance Verification Summary” issued by a “Suitably Qualified Auditor” which confirms compliance with the Green Star Construction and Demolition Waste Reporting Criteria; or
- Complete “Disclosure Statement” outlining how much Green Star Construction and Demolition Waste Reporting Criteria has been implemented.

RCC and its Sub-contractors shall demonstrate 90% of the waste generated during construction and demolition has been diverted from landfill. Waste shall be reported in kg/m<sup>2</sup> GFA. Project is required to report the total amount of waste generated (kg/m<sup>2</sup>) and the total amount of waste diverted from landfill (kg/m<sup>2</sup>) and report on the proportions diverted as a percentage.

The following are points targeted in the LCI ESD/Greenstar v1.3 Strategy:

- Compliance Verification Summaries from waste contractor(s) and waste processing facilities as detailed in the Green Star Construction and Demolition Waste Reporting Criteria document.
- Disclosure Statement from waste contractor(s) and waste processing facilities outlining how much of the Green Star Construction and Demolition Waste Reporting Criteria has been implemented.
- Demolition or Site Drawings indicating the structures on site at time of purchase, extent of demolition and retained structure and façade.
- Cumulative waste report generated from the monthly waste reports provided by the waste contractor over the entire duration of construction and demolition works. The monthly reports and supporting waste disposal dockets do not need to be included in the credit submission.

## 4 ESTIMATED QUANTITIES

The Waste Management Plan – Construction chart (Form 18.2b) is an estimate of the core waste streams that will be removed from the project. The project waste to be removed will be assessed for re-use & recycling content and the disposal to landfill.





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