

**ALEXANDRIA PARK COMMUNITY SCHOOL
1161**

**CONSTRUCTION WASTE
MANAGEMENT PLAN**

11/06/2020



RICHARD CROOKES

CONSTRUCTIONS

Delivering
Certainty

Contents

Revision.....	3
1 Introduction.....	4
2 RCC Objectives and Targets.....	4
The waste quantities developed by this job will be tracked on a waste monitoring spreadsheet using information provided by.....	6
3 Reporting.....	7
APPENDIX A: Construction Waste Reporting.....	8

1 Introduction

This Construction Waste Management Plan forms part of the Project Management Plan for Project 1161 – Alexandria Park Community School.

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.

2 RCC Objectives and Targets

RCC’s overall objective is to achieve a minimum of (90%) for recycled waste (by weight) generated by the Project, to satisfy the Project’s Green Star requirements.

The Operational Controls implemented to achieve this include:

Operational Controls		Method of Recording
General	Identify any hazardous and toxic materials (e.g. asbestos) and comply with WorkCover requirements. Develop project Waste Management Plan Try not to over-order on materials (initial waste avoidance). Communicate housekeeping & litter reduction rules with subcontractors during contract letting and site inductions.	Hazardous substance survey Waste Records Inductions
Implement the waste hierarchy – avoid, reuse, recycle and lastly disposal to landfill.		
<p>The diagram illustrates the Waste Minimisation Hierarchy. It consists 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 these bars is a vertical arrow pointing upwards, with the text 'INCREASED CONSERVATION OF RESOURCES' at its base.</p>		

Operational Controls		Method of Recording
Demolition Plan	<p>Demolition disposal for concrete, bricks, plasterboard, timber, tiles, PVC, metal, paper & 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 >200m², 1 July 2007 > 50m³, from 1 Jan 2008 > 10m² of bonded asbestos) & managed in accordance with WHS Act & Regulation 2012 and EPA requirements.</p> <p>Lead paints & 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 & underlay – reprocess & mulch mats</p>	<p>Monthly Waste Report from Grasshopper during construction in accordance to SSDA condition B24</p>
Product Stewardship	Investigate returning waste to the supplier? (e.g. plasterboard, packaging)	Contract/ Supply agreem'ts
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 EPA guidelines "Environmental Guidelines: Assessment, Classification & Management of Liquid & Non-Liquid Wastes" (June 2004) – www.environment.nsw.gov.au/waste/envguidlns/index.htm .	<p>RAP Reports</p> <p>Test Reports</p> <p>Waste Records</p> <p>Disposal Dockets</p>
Virgin Excavated Natural Materials (VEMN)	<p>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.</p> <p>No fill will be received on site that does not comply with EPA guidelines i.e. Contamination limits appropriate to the development.</p>	<p>Test Reports</p> <p>Waste Records</p> <p>Disposal Dockets</p>
Acid Sulphate Soils (ASS)	<p>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.</p> <p>If suspected, consultant to prepare Acid Sulphate Soil Management Plan (ASSMP).</p> <p>Excavation and neutralisation to be supervised</p>	<p>ASSMP</p> <p>Test Reports</p> <p>Product delivery (lime) dockets</p> <p>Site Plans</p>

Operational Controls		Method of Recording
	by consultants as per ASSMP.	
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 from Grasshopper during construction SSDA condition B24
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

The waste quantities developed by this job will be tracked on a waste monitoring spreadsheet using information provided by

Table 1 - Composition of demolition waste by volume

Material	M ³
Fill	26,121
Concrete	3,282
Bricks/stone	2,500
Carpet	375
Timber	250
Residual general (incl. fittings, fixtures etc)	49
Metal	15
Total	32,592

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.

Construction Waste Disposal Destinations

The MRF's below are the destinations of the disposed construction waste:

Construction Waste Material Processing Destinations

MRF6 - BM Banksmeadow
BM Recycling Pty Ltd
EPA Number: 12857

MRF26 - Suez Wetherill Park
Sita Australia Pty Ltd
EPA Number: 4548

MRF31 - JJR St Marys
J.J. Richards & Sons
EPA Number: 20640

MRF32 - ResourceCo
ResourceCO RRF Pty Ltd
EPA Number: 20937

MRF35 - Veolia Clyde
Veolia Environmental Services (Australia) Pty Ltd
EPA Number: 11763

Food/Office Waste

MRF36 - Bulk Recovery Solutions
Bulk Recovery Solutions Pty Ltd
EPA Number: 20797

For the latest report refer to Appendix 1

APPENDIX A: Construction Waste Reporting

Total Collected To date

627.05

#1161 APCS - WASTE FIGURES

CONSTRUCTION WASTE

MONTH	TRANSPORTER	TYPE	AMOUNT COLLECTED (t)	RECYCLED (t)	% RECYCLED
Jul-19	GRASSHOPPER	CONSTRUCTION WASTE	0.187	0.140	75
Aug-19	GRASSHOPPER	CONSTRUCTION WASTE	0.774	0.641	83
Sep-19	GRASSHOPPER	CONSTRUCTION WASTE	3.800	3.610	95
Oct-19	GRASSHOPPER	CONSTRUCTION WASTE	8.288	7.771	94
Nov-19	GRASSHOPPER	CONSTRUCTION WASTE	51.988	51.131	98
Dec-19	GRASSHOPPER	CONSTRUCTION WASTE	17.061	16.021	94
Jan-20	GRASSHOPPER	CONSTRUCTION WASTE	22.795	20.471	90
Feb-20	GRASSHOPPER	CONSTRUCTION WASTE	103.089	89.701	87
Mar-20	GRASSHOPPER	CONSTRUCTION WASTE	118.647	103.611	87
Apr-20	GRASSHOPPER	CONSTRUCTION WASTE	134.455	118.251	88
May-20	GRASSHOPPER	CONSTRUCTION WASTE	165.968	153.981	93
TOTAL			627.050	565.329	89