

Tenancy 060A (Gelato Messina)
Westfield Penrith
585 High Street
Penrith, NSW
2750

Waste Management Plan

31, March 2017

Introduction

This Waste Management Plan outlines the strategy to minimise the generation of waste, maximise reuse and recycling of waste and ensure waste is disposed of at a licensed EPA waste disposal facility. This WMP has been written in accordance with the Council of the City of Sydney Policy for Waste Minimisation in New Developments 2005.

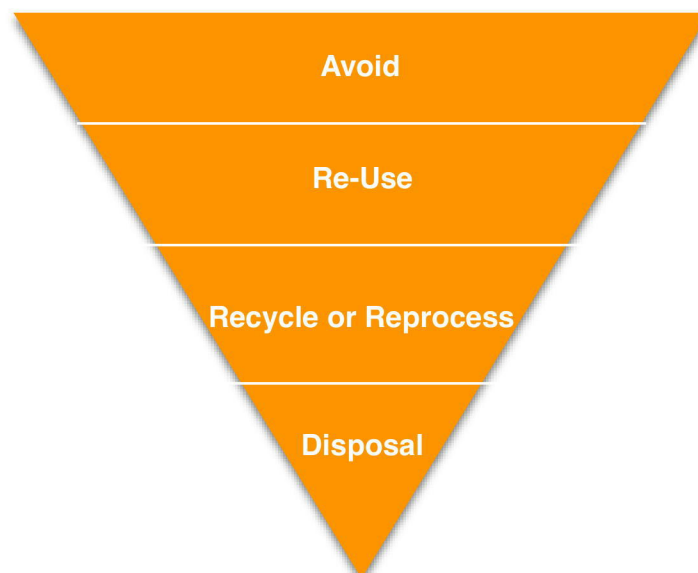
The objectives of this WMP plan are:

- To establish site specific procedures to ensure all waste generated from project activities is minimised and appropriately recycled or disposed of
- To outline a consistent and uniform waste management approach which ensures the minimum standard of recycling/ reuse target of 80% of waste by weight is maintained to reduce waste going to landfill
- To establish site specific waste management strategies for all construction phases, excluding demolition, from building construction through to commissioning.
- To establish consistent onsite monitoring and reporting of wastes generated with details outlining waste material, tracking of disposal destination and receipts.
- To define procedures for waste disposal measures to be undertaken for materials which pose an environmental risk including, but not limited to, soils, concrete, contaminated water, paints
- To ensure the health and safety of all members on site it retained by implementing safe practices surrounding the collection, storage and removal of waste from site ???

Waste Management Hierarchy

Prioritised waste management has been adopted in a waste management hierarchy as follows:

1. Avoiding Waste (identify construction waste to minimise packaging and over ordering of materials)
2. Re-Use Materials (such as: pallets and storage containers)
3. Recycle and Reprocess Materials
4. Disposal of Waste



Waste Minimisation Controls

The following controls will be implemented on site to ensure waste is minimised on the project:

- Main subcontractors are required to submit waste minimisation details in their SWMS including the following:
 - i. Avoiding over-ordering materials
 - ii. Minimising the use of un-recyclable packaging materials
 - iii. Reviewing with suppliers, the potential for reusable packaging, such as cloth bags, blankets, pallets or containers for materials and equipment
 - iv. Buying environmentally-approved and recycled-content products where possible
- Waste management training is provided as part of Site Induction, ensuring that subcontractors and site visitors are aware of the materials on-site (in particular any hazardous wastes) and waste disposal requirements.
- Prior to commencing work on site project personnel (including subcontractors) are to be informed through the site induction process of the importance of waste, recycling, spills or incident impacts on the site and adjacent areas. Site supervisors are to discuss waste management issues at toolbox and other meetings as required. The project will utilise the services of a Waste Sub-Contractor whose facilities and waste procedures have been audited by our sustainability management team for stringency and accuracy. They should need also meet the following requirements:
 - i. Be appropriately licensed under the POEO Act (1997) and associated regulations to transport, store, recycle, reprocess and/or dispose of wastes removed from the site;
 - ii. Provide waste containers and transport vehicles suitable for storage and carriage of waste types to be generated at the site;
 - iii. Provide EPA licenses of the appropriate landfills that are licensed to accept the waste which is generated on site
 - iv. Provide accurate written documentation including tracking documentation and disposal receipts to us in a prompt manner following the disposal of waste from the site to comply with regulatory and contract requirements;
 - v. Remove and transport all waste for disposal to a facility lawfully able to accept the waste;
 - vi. Securely load and cover all vehicles/bins and containing waste prior to exit from the site to minimise the risk of waste spillage, dust generation etc during transport.
 - vii. Facilitate recycling of appropriate materials.
- As part of the site induction process, all personal are advised of their personal responsibility to ensure all work areas are to be maintained in a clean and tidy manner. A weekly (or as frequently as required) sweep of the entire site will be completed by the waste contractor to remove loose waste and/or litter present within the site to appropriate waste/recycling storage facilities in the loading dock.
- Daily inspections are to be conducted to ensure that the worksite is left in a rubbish-free state and that no rubbish has been “trapped” against site fencing
- Regular management audits are to be carried out to ensure that the Waste Management Plan is being adhered to

Waste Management

The table below represents the expected waste types that will be generated during the construction phase and their Waste Management Outcome rank (from most to least preferred). It outlines how each waste type will be managed on-site prior to collection

Waste Type	Waste Management Outcomes				
	Most Preferred			Least Preferred	
Types of Materials	Avoid / Reduce	Reuse	Recycle	Recover	Treat & / or Dispose
Steel, Scrap Metal					
Plastics & Foam					
Insulation Material					
Excavated Fill					
Concrete and Bed Mix					
Residual					
Hazardous					
Food & General Waste					

Notes

1. Waste is collected in “general construction waste” bins and is sorted at a resource recovery facility using mechanical and manual sorting techniques that remove wastes such as plasterboard, timber, metal, cardboard and plastic for recycling.

2. Residual waste refers to construction waste other than those listed as a waste type.

3. Waste Management Definitions:

Re-use, means the activity of using waste materials in their current form (ie. not altering their chemical or physical state)

Recycling, means the activity of processing waste materials to form new products

Recovery, means the activity of processing waste materials for the purpose of recovering energy (eg. incineration)

Disposal, means the activity of depositing waste materials in landfill

Demolition

As per CC1 WMP

Excavation Fill Material

Any fill materials identified requiring excavation within the site footprint should be reused, where suitable, on the site as part of the site engineering or landscaping work. Excess or contaminated excavation fill is to be removed off site and classified in accordance with relevant authorities. To ensure the fill is being taken to the correct landfill the subcontractor transporting the waste should provide details of the landfill site, the EPA licence details and confirmation that landfill is authorised to receive that waste. Trucking docket records are to be kept on site to check that fill is going to the nominated landfills.

Construction Waste

Construction and demolition bins are located in separate areas on the site to ensure safe storage and collection of waste. The construction waste generated on site is to be placed in mixed waste skip bins, meaning that all waste is deposited in the one skip bin and segregation into the appropriate waste streams occurs offsite by the waste contractor.

Details of Waste Management – Construction Phase

Materials On Site			Destination		
			Reuse / Recycling		Disposal
Types of Materials	Est Vol (m3)	Est Wt. (t)	On Site	Off Site	Contractor
Excavated Materials	-	-			TBC - Bingo / Dats / Dial-a-Dump
Garden Organics	-	-			TBC - Bingo / Dats / Dial-a-Dump
Bricks	-	-			TBC - Bingo / Dats / Dial-a-Dump
Tiles	-	-			TBC - Bingo / Dats / Dial-a-Dump
Concrete	-	-			TBC - Bingo / Dats / Dial-a-Dump
Timber	-	-			TBC - Bingo / Dats / Dial-a-Dump
Plasterboard	-	-			TBC - Bingo / Dats / Dial-a-Dump
Metals	-	-			TBC - Bingo / Dats / Dial-a-Dump
Other Waste	-	0.1			TBC - Bingo / Dats / Dial-a-Dump

Food and General waste

Food scrap/ general waste and Recycling bins are provided in the vicinity of site offices and amenities. Waste is sorted into general waste, cans/bottles and paper/cardboard.

Hazardous Materials

Contaminated waste including asbestos will be disposed of to an EPA licensed facility which is able to take the waste. Contaminated waste will be stored within designated storage areas on site. Records of disposal of the waste should be maintained with site records.

Hazardous Substances

Any subcontractor handling, using or disposing of harmful or toxic chemicals or substances is to ensure they follow appropriate manufacture requirements and legislation requirements in disposal. No chemicals or substances are to be disposed of down any drains, sewer etc on- site.

If a spillage of a hazardous substance occurs, staff are appropriately trained in spill kit procedures to clean up spills immediately. Spill kits are located adjacent to the areas where hazardous substances are stored on site. Once the substance has been cleaned up it will then be disposed of to the appropriate EPA licensed facility. Records of disposal and the clean-up methods of the spill are to be maintained with site records.

Waste Water / Wash Out Areas

Wash out facilities for finishing trades including concrete and paint waste are to be minimised and water recycling for these activities is encouraged. If a wash out facility is utilised it should not be plumbed to any building services or drain to stormwater.

The wash out area will have sediment controls and should be clearly signposted. The location of the wash down area is shown on the sites layout plan and everyone is made aware of this location during the site induction.

The wash out area and sediment controls should be emptied of all solid residues regularly in order for it to catch waste water. Solids which are caught by this process should be disposed of in a bin going to a licensed waste facility.

Transportation Access and Designated Rubbish Areas:

The site map attached shows access locations for waste contractors, designated rubbish areas and wash down areas. Skip bins are provided on site for the management of mixed construction waste and are then taken away and sorted by a Westfield approved Waste contractor.



Waste Handling Area

Waste Management Roles and Responsibilities

To manage waste generation on site the following roles and responsibilities have been set for all contractors to follow and ensure the waste recycling targets can be met. The table below represents a summary of the waste management roles and responsibilities for the works on the Gateway project.

Responsibility	Project Task
Site Operation	
	<ul style="list-style-type: none"> Ensuring that waste is segregated and collected in accordance with this Plan Ensuring that Duty of Care documentation is obtained and maintained in the site file (eg. copy of waste transporters licence, waste collection receipts, waste transport certificates) Updates to the Plan and Building Management approvals Supervising the collection of waste by the waste contractor (where practical) Maintaining site records of waste types and approximate quantities collected from site
Waste Sorting	
All Contractors	<ul style="list-style-type: none"> It is the responsibility of all contractors to be inducted into this plan and put waste into the correct bins on site for appropriate disposal off site Contractors are to use the designated bins on site and not dispose of any materials except within designated bins on site Minimise the generation of wastes through appropriate behaviour on site through site measurement and ongoing management of works
Waste Collection & Management	
Waste Contractor	<ul style="list-style-type: none"> Supply of bins, according to agreed approach & ongoing site requirements Collection & disposal of waste, as agreed & according to ongoing site requirements Weighing and sorting of all wastes generated on site for disposal off site Ensuring that the waste collected is managed in accordance with the relevant legislation and the identified wastes are re-used, recycled or recovered
Reporting	

On Site Project Manager	<ul style="list-style-type: none"> • Tracking of wastes generated • Reporting of all waste data • End of Project reporting of waste data to confirm % recycled / reused and wastes to landfill • Preparation of final waste report for the site
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Monitoring, Conformance and Reporting

This document complies with the Waste Management Plan Councils Policy for Waste Minimisation in New Developments 2005.0

Approved Waste Contractors will provide monthly recycling and waste minimisation reports. These reports are audited to ensure that we are reaching our set targets. Records of the total waste generation and disposal to landfill or recycling are retained on site by contractor site staff.

Any subcontractor found to be inappropriately acting will be issued with a non- conformance and rectification notice immediately. The procedure for environmental non- conformances is as follows:

- i. Site issue is identified
- ii. Investigate and issues a response to all subcontractors
- iii. Issues non-conformance/rectification notice to party responsible
- iv. Subcontractor to cleanup up immediately to relevant legislative requirements
- v. Notify external parties as required and final notice to subcontractor

Audits are to be conducted on waste generated to ensure it is being disposed of as per the procedures set out in this Waste Management Plan.