



Development Application

Resource and Waste Management Plan Form

Complete all relevant sections of this form and attach all required information with details outlined in the Central Coast Council *DA Guidelines for Resource and Waste Management Planning*.

Part A: Overview

Development details

Site address: 85-97 Sparks Rd, Woongarrah

DA number:

Lots: Lot 71

DPs:

DP 1258149

Brief description of proposal:

The proposed development will feature:

- Demolition of 7 existing single storey General Learning Area (GLA) buildings
- Construction of:
 - o 2 x two storey and 1 x 3 storey GLA buildings (containing 28 new GLA's)

Buildings and other structures currently on site:

- Demolition of 7 existing single storey General Learning Area (GLA) buildings

RWMP overview

This Resource and Waste Management Plan (RWMP) includes:



Site preparation



- ☒ Part B completed
- ☒ Site plan(s) attached
- ☒ Supporting evidence attached



Construction



- ☒ Part C completed
- ☒ Site plan(s) attached
- ☒ Supporting evidence attached



Occupancy



- ☒ Part D completed
- ☒ Site plan(s) attached
- ☒ Supporting evidence attached



Part B: Site Preparation

Refer to section: 'Site Preparation' of the *DA Guidelines for Resource and Waste Management Planning* for guidance to fill out Part B.

General information

Description of site preparation works:

- Demolition of 7 existing single storey General Learning Area (GLA) buildings

Demolition or works
contractor details:

Workers compensation
insurance details:

Asbestos
management details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

Hazardous waste
management details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

General waste
management
facilities details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

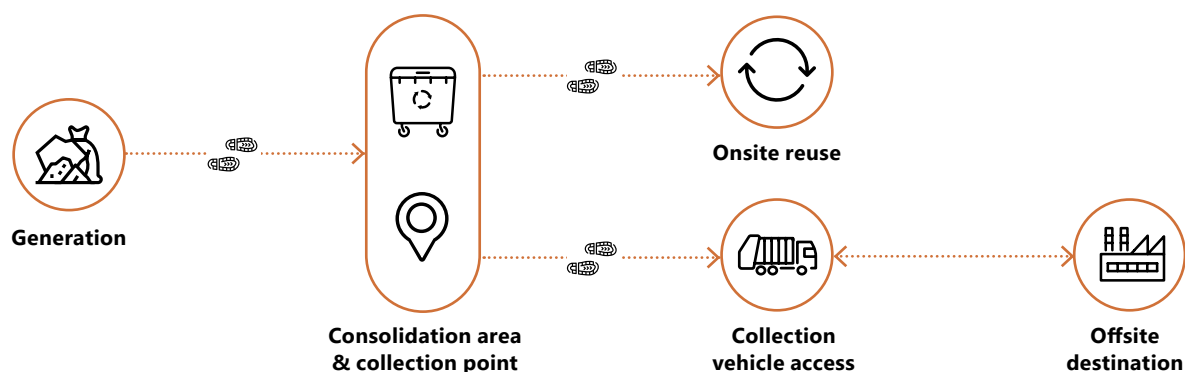
Resource recovery
facilities details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

Site preparation declaration

1. All asbestos waste will be managed in accordance with provisions of the *NSW Work Health and Safety Regulation 2022*. ☒ Yes ☐ No
2. All hazardous waste will be managed and tracked in accordance with the provisions of the *NSW Protection of the Environment Operations (Waste) Regulation 2014*. ☒ Yes ☐ No

Typical site preparation touchpoint journey example



Materials (and waste) generation

			How will the material be managed?					
Type of Material	>10m³?	Material generated quantity (m³ or tonnes)	On-site re-use	Recycle (source separated & collected)	Recycle (collected unseparated)	Landfill	Quantity diverted from landfill	
Asbestos	☒							
Bricks	☒	200-300	Yes	Yes	Yes	<5	>95%	
Concrete	☒	1,000-1,500	Yes	Yes	Yes	<5	>95%	
Ceiling Tiles	☒	30-40	Yes	Yes	Yes	<5%	>95%	
Electronic waste	☐	Minor	-	Yes	Yes	<10%	>90%	
Excavation material	☐	Minor	Yes	Yes	Yes	<5%	>95%	
Floor coverings	☒	20-30	Yes	Yes	Yes	50%	50%	
Fixtures & fittings	☒	<15	Yes	Yes	Yes	50%	50%	
Garden organics & trees	☒	<20	Yes	Yes	Yes	0%	100%	
Glass	☒	<20	Yes	Yes	Yes	<10%	>90%	
Hazardous waste	☐	Unknown	-	-	-	100%	-	
Metals (ferrous)	☒	50-100	-	Yes	Yes	<10%	>90%	
Metals (non-ferrous)	☒	50-100	-	Yes	Yes	<10%	>90%	
Mixed recycling	☐	10-20	-	Yes	Yes	<10%	>90%	
Plasterboard	☒	20-40	Yes	Yes	Yes	<10%	>90%	
Residual waste	☒	10-20	-	-	Yes	100%	-	
Timber (clean)	☒	<50	-	Yes	Yes	0%	100%	
Tiles	☒	<20	Yes	Yes	Yes	<5%	>95%	
Timber (treated)	☐	<50	-	Yes	Yes	50%	50%	
Other	☐							
Total percentage diversion of waste from landfill:							>80	%

Recycling details

Material	Principal offsite recycler details	Primary market for materials
Concrete	Concrete Recyclers (Somersby)	Crushed and reused as road base, drainage aggregate, backfill
Bricks	Benedict Recycling (Wyong) / Concrete Recyclers (Somersby)	Crushed brick used in landscaping, civil works, and fill material
Metals	Sims Metal (Erina, Newcastle) or Sell & Parker (Newcastle)	Re-smelted into new steel products for construction and manufacturing Recycled into new aluminium goods, automotive and construction uses
Timber (untreated)	EcoWaste Recovery (Somersby) or ReDirect Recycling (Newcastle)	Reprocessed into mulch, animal bedding, or biomass fuel
Glass	iQ Renew (Somersby)	Crushed into sand substitute or recycled into new glass product
Plasterboard	Regyp (Sydney-based, services Central Coast)	Recovered gypsum reused in agriculture or new plasterboard
Plastics	ReDirect Recycling (Newcastle)	Reprocessed into pellets for use in manufacturing new plastic items
Copper wiring	Sims Metal (Erina) / Metal Men Recycling (Tuggerah)	Refined and reused in electrical applications

System overview

	Material 1	Material 2	Material 3
 Material or waste stream			
 Quantity			
 Capture and consolidation area			
 Internal transfer			
 Onsite reuse			
 Transfer to collection			
 Collection point			
 Collection vehicle access			
 Offsite destination			
 Recovery rate			

If this system overview is detailed in supporting evidence, provide reference details:

MacKillop Catholic College - Waste Management Plan

Risk assessment

[illegible]

Site plan checklist

A site preparation site plan has been provided that clearly indicates:

- ☒ Areas to be excavated or cleared
- ☒ Structures to be demolished
- ☒ Locations and dimensions of capture and consolidation bins and stockpiles
- ☒ Travel paths of all materials and waste
- ☒ Location of any onsite material reuse
- ☒ Travel path of bins to collection point
- ☒ Collection point location
- ☒ Number and total area of bins to be presented at the collection point
- ☒ Access paths for collection vehicles
- ☒ Direction of traffic flow for internal access driveways and roads

Supporting evidence

Provide an overview of supporting evidence provided to demonstrate how site preparation resources and waste will be managed in accordance with the requirements set out in section: 'Site preparation' of the *DA Guidelines for Resource and Waste Management Planning*.

The Waste Management Plan (WMP) includes a range of supporting documentation and commitments that demonstrate compliance with the requirements of the 'Site Preparation' section of the DA Guidelines for Resource and Waste Management Planning. The key elements are outlined as follows:

1. Identification of Materials to Be Removed

The WMP clearly identifies all materials expected to be generated during site preparation, including:

- Vegetation
- Existing structures
- Other common site preparation materials outlined in the DA guidelines

2. Resource Recovery Targets

- The plan sets preliminary recovery targets aligned with the NSW EPA Waste Avoidance and Resource Recovery (WARR) Strategy.
- For example, at least 80% of site preparation waste (by weight) is targeted for reuse or recycling, reducing reliance on landfill disposal.

3. Waste Contractors and Facilities

The WMP addresses protocols for the identification and safe handling of any contaminated or hazardous materials (e.g. asbestos, treated timbers), including:

- Engagement of licensed removal contractors
- Disposal to appropriately licensed facilities



Part C: Construction

Refer to section: 'Construction' of the *DA Guidelines for Resource and Waste Management Planning* for guidance to fill out Part C.

General information

Description of construction works:

The development includes the construction and refurbishment of existing school structures, which includes the construction of:

- 2 x two storey and 1 x 3 storey GLA buildings (containing 28 new GLA's)
- Amenities and storerooms
- Site works, infrastructure and play areas.

Construction works
contractor details:

Workers compensation
insurance details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

Hazardous waste
management details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

General waste
management
facility details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

Resource recovery
facilities details:

- Woy Woy Waste Management Facility (02 4342 5255)
- Buttonderry Waste Management Facility (02 4350 1320)

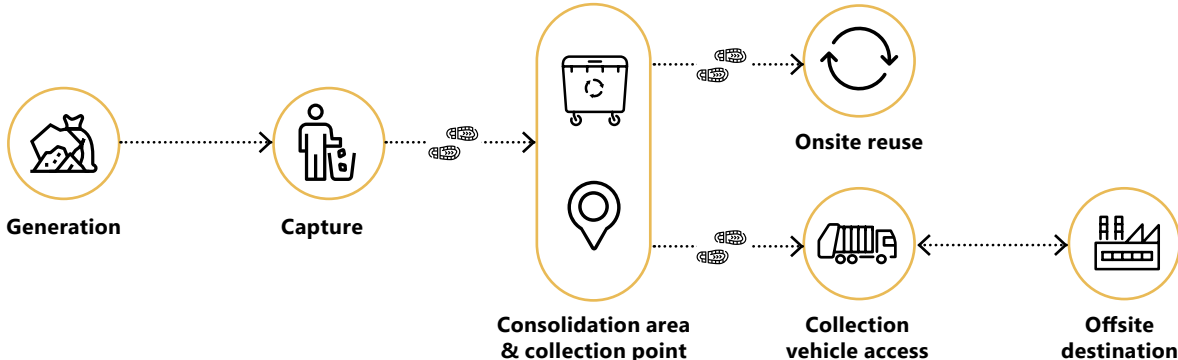
Construction declaration

1. All hazardous waste generated will be managed and tracked in accordance with the provisions of the *NSW Protection of the Environment Operations (Waste) Regulation 2014*.

☒ Yes

☐ No

Typical construction touchpoint journey example



Materials (and waste) generation

			How will the material be managed?					
Type of Material	>10m³?	Material generated quantity (m³ or tonnes)	On-site re-use	Recycle (source separated & collected)	Recycle (collected unseparated)	Landfill	Quantity diverted from landfill	
Asbestos	☐							
Bricks	☒	250-300	Yes	Yes	Yes	<5%	>90%	
Concrete	☐	100-200	Yes	Yes	Yes	<10	>90	
Ceiling Tiles	☒	150-200	Yes	Yes	Yes	<10%	>90%	
Electronic waste	☐	<5	-	Yes	Yes	<10%	>90%	
Excavation material	☐	Minor	Yes	Yes	Yes	<5%	>95%	
Floor coverings	☐	<5	Yes	Yes	Yes	<10%	>10%	
Fixtures & fittings	☐	Minor	Yes	Yes	Yes	-	-	
Garden organics & trees	☐	Minor	Yes	Yes	Yes	0%	100%	
Glass	☐	Minor	Yes	Yes	Yes	<10%	>90%	
Hazardous waste	☐	Unknown	-	-	-	100%	0%	
Metals (ferrous)	☐	5-10	-	Yes	Yes	<10%	>90%	
Metals (non-ferrous)	☐	5-10	-	Yes	Yes	<10%	>90%	
Mixed recycling	☒	10-20	-	Yes	Yes	<10%	>90%	
Plasterboard	☐	Minor	-	Yes	Yes	<10%	>90%	
Residual waste	☐	<5	-	Yes	Yes	100%	0%	
Timber (clean)	☒	250-300	-	Yes	Yes	<10%	>90%	
Tiles	☒	150-200	Yes	Yes	Yes	<10%	>90%	
Timber (treated)	☒	250-300	-	Yes	Yes	50%	50%	
Other	☐							
Total percentage diversion of waste from landfill:							>90	%

Recycling details

Material	Principal offsite recycler details	Primary market for materials
Timber (offcuts, pallets, untreated)	EcoWaste Recovery (Somersby) / ReDirect Recycling (Newcastle)	Mulch, animal bedding, biofuel, particleboard manufacturing
Metal (steel, copper, aluminium offcuts)	Sims Metal (Erina, Tuggerah) / Metal Men Recycling (Tuggerah)	Smelting and remanufacture into metal products for construction, automotive, industrial use
Cardboard and Paper	iQ Renew (Somersby) / Visy Recycling (Newcastle)	Reprocessed into recycled paper, cardboard packaging
Plastics	ReDirect Recycling (Newcastle)	Pelletised and reused in new plastic products or packaging
Plasterboard	Regyp (Sydney – services Central Coast)	Gypsum reused in agriculture and manufacturing of new plasterboard
Concrete	Concrete Recyclers (Somersby)	Crushed and reused as road base, sub-base, and drainage media
Bricks	Benedict Recycling (Wyong) / Concrete Recyclers (Somersby)	Crushed and reused for landscaping, hardstand areas, road fill
Glass	iQ Renew (Somersby)	Recycled into construction-grade sand, new glass containers

System overview

	Material 1	Material 2	Material 3
 Material or waste stream			
 Quantity			
 Capture			
 Internal transfer			
 Consolidation area			
 Onsite reuse			
 Transfer to collection			
 Collection point			
 Collection vehicle access			
 Recovery rate			

If this system overview is detailed in supporting evidence, provide reference details:

Mackillop Catholic College - Waste Management Plan

Risk assessment

[illegible]

Site plan checklist

A construction site plan has been provided that clearly indicates:

- ☒ Locations and dimensions of capture bins
- ☒ Travel paths of all materials and waste onsite
- ☒ Locations, numbers and dimensions of consolidation bins and stockpiles
- ☒ Dimensions of any designated consolidation areas
- ☒ Travel path of bins to a collection point
- ☒ Collection point location
- ☒ Number and total area of bins to be presented at the collection point
- ☒ Access paths for collection vehicles
- ☒ Direction of traffic flow for internal access driveways and roads
- ☒ Location of any onsite material reuse

Supporting evidence

Provide an overview of supporting evidence provided to demonstrate how construction resources and waste will be managed in accordance with the requirements set out in the section: 'Construction' of the *DA Guidelines for Resource and Waste Management Planning*.

The Waste Management Plan (WMP) provides a structured framework and supporting documentation to demonstrate that the management of construction resources and waste aligns with the requirements of the 'Construction' section of the DA Guidelines for Resource and Waste Management Planning. The key elements of compliance and supporting evidence include:

1. Identification of Waste Streams

The WMP outlines all major types of construction waste expected to be generated, such as:

- Concrete, bricks, and masonry
- Timber offcuts
- Plasterboard and insulation
- Metals (e.g. steel framing, piping)
- Plastics and packaging materials
- Pallets and miscellaneous materials.

2. Estimation of Waste Volumes

- Anticipated waste quantities are provided in tonnes or cubic metres, using industry benchmarks or project-specific modelling.
- These estimates support planning for appropriate bin capacity, collection frequency, and reuse potential.

3. Waste Collection and Disposal Arrangements

The WMP includes details of proposed waste contractors and disposal facilities, confirming that all services will be provided by appropriately licenced operators.



Part D: Occupancy

Refer to section: 'Occupancy' of the *DA Guidelines for Resource and Waste Management Planning* for guidance to fill out Part D.

General information

Development type:

- ☐ Residential single dwelling
- ☐ Multi-unit residential development
- ☐ Multi-use development
- ☒ Non-residential development

Brief description of development:

The proposed development will feature:

- Demolition of 7 existing single storey General Learning Area (GLA) buildings
- Construction of:
 - o 2 x two storey and 1 x 3 storey GLA buildings (containing 28 new GLA's)
 - o Amenities and storerooms
 - o Site works, infrastructure and play areas.
- Ongoing waste generation from occupancy of the proposed development.

Location

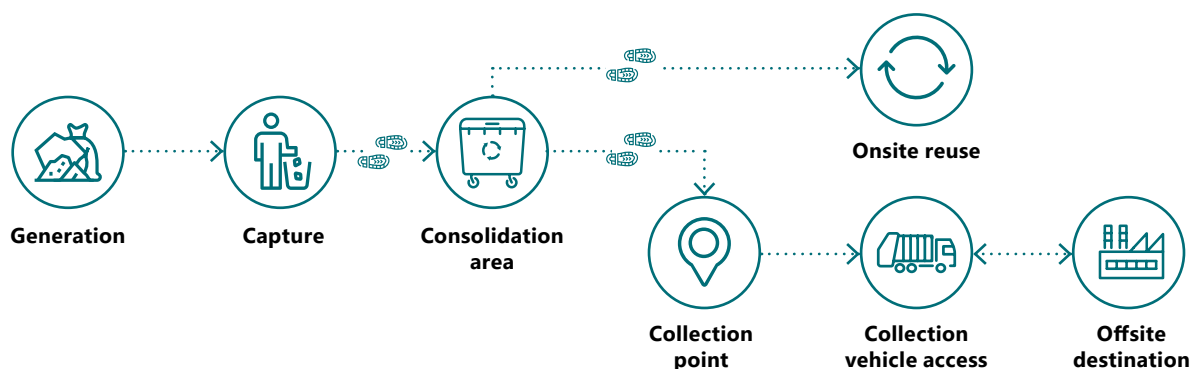
The proposed development site is legally identified as Lot 71 of DP 1258149, known as 91 Sparks Road, Woongarah located in

Management arrangements

Identify the key stakeholders that will interface with the system and detail their roles and responsibilities:

Stakeholder	Role and responsibility
Central Coast Council	Assess and approve the Waste Management Plan in line with DA Guidelines
Makillop College	Implement and oversee day-to-day waste practices in line with the approved '
Site management	Oversee construction-phase implementation of the WMP. Ensure all waste is

Typical construction touchpoint journey example



System overview

	Material 1	Material 2	Material 3
 Material or waste stream			
 Quantity			
 Capture			
 Internal transfer			
 Consolidation area			
 Onsite reuse			
 Transfer to collection			
 Collection point			
 Collection vehicle access			
 Offsite destination			

If this system overview is detailed in supporting evidence, provide reference details:

MacKillop Catholic College - Waste Management Plan

Risk Assessment

Touchpoint	Hazard	Risk	Mitigation control measures	Residual risk
Bin usage by students/staff	Improper disposal (e.g. wrong bin use, overflow)	Contamination of recycling/FOGO streams; pest attraction	Signage and colour-coded bins; waste education program; regular monitoring by cleaning/maintenance	Low
FOGO waste handling	Organic waste causing odours or attracting vermin	Hygiene issues; complaints; health risk	Use of sealed FOGO bins; regular collection; on-site staff training on appropriate waste practices	Low
Bin storage areas	Poor ventilation or drainage; odour build-up	Slip hazards; hygiene and amenity concerns	Hose cock and floor drainage; ventilation; routine cleaning schedule	Low
Waste collection (kerbside or private)	Truck access during school hours	Traffic congestion; collision risk with students or staff	Scheduled collection outside of peak school times; secure and signposted collection zone; supervised access if	Low
Storage of hazardous waste (e.g.	Inappropriate handling/disposal	Environmental harm; fire or chemical hazard	Secure battery/e-waste drop-off points; arrange collection through authorised programs (e.g.	Low
Recycling contamination	Mixed materials in recycling bins	Loads rejected by recycler; increased landfill volume	Staff and student education; routine audits; feedback signage when contamination is identified	Low
Overflow of bins or missed collections	Lack of space for temporary waste build-up	Waste pile-up, odour, access blockage	Backup bin capacity plan; liaison with council or waste contractor; scheduled waste checks	Low
FOGO bin mismanagement	Inappropriate items (e.g. plastics, meat) in bins	Cross-contamination; rejection of load	Education on acceptable materials; visual posters; inspections by staff or waste monitors	Low
Litter from high-use areas (canteen,	Windblown waste or student littering	Environmental pollution, pest attraction	Provision of sufficient bins; anti-litter campaigns; daily grounds maintenance	Low

Required outcomes

Demonstrate how each touchpoint will **create safety, deliver efficiency, protect amenity** and **build a circular economy** across the touchpoints.



Generation & capture:

Clearly labelled, colour-coded bins at the point of waste generation enable safe handling, minimise contamination, and support effective source separation for recycling and organics recovery.



Internal transfer:

Waste is transferred via designated routes away from student pathways, reducing risks and improving collection efficiency without disrupting school operations.



Consolidation area:

A secure, ventilated waste storage area ensures safe, hygienic holding of sorted waste streams, protects visual and odour impacts, and maintains materials in a condition suitable for recycling or composting.



Internal transfer:

Waste is transferred via designated routes away from student pathways, reducing risks and improving collection efficiency without disrupting school operations.



Collection point:

Strategically located to allow swift access by staff and contractors while minimising disruption to school activities, maintaining amenity and enabling timely pick-up of separated waste.



Vehicle access:

Collection vehicles use a dedicated access point away from student activity zones, ensuring traffic safety while enabling reliable servicing that supports ongoing waste diversion and resource recovery.

Site plan checklist

An occupancy site plan has been provided that clearly indicates

- ☒ The size and locations of material and waste capture bins
- ☒ Internal transfer routes
- ☒ The size and locations of consolidation areas
- ☒ Space provided for access to and manoeuvring of bins and equipment
- ☒ Consolidation areas adequately screened to reduce visibility of bins
- ☒ Construction details of consolidation areas
- ☒ The transfer route to collection point (or destination)
- ☒ The collection point
- ☒ Collection vehicle access route
- ☒ Adequate clearance, layout and strength of collection vehicle access route
- ☒ Direction of traffic flow for internal access driveways and roads
- ☒ Location of any onsite reuse

Supporting evidence

Provide an overview of supporting evidence provided to demonstrate how occupancy resources and waste will be managed in accordance with the requirements set out in section: 'Occupancy' of the *DA Guidelines for Resource and Waste Management Planning*.

The Waste Management Plan (WMP) provides a clear framework and supporting evidence to demonstrate how waste and resource management during the occupancy phase will comply with the requirements outlined in the 'Occupancy' section of the DA Guidelines for Resource and Waste Management Planning. Key supporting elements include:

Three-Bin System Implementation

The WMP confirms that the site will accommodate Central Coast Council's mandatory three-bin system (General Waste, Recycling, and FOGO). Supporting evidence includes bin volume calculations, service frequencies, and compliance with Council colour coding and labelling.

Waste Generation Estimates

Waste generation rates have been forecast based on building use type (e.g. educational facility), occupancy levels, and relevant benchmarks. These estimates inform bin sizing and collection frequency to prevent overflow and service inefficiency.

Bin Storage and Access Design

Site plans show dedicated, well-ventilated, and screened waste storage areas that are sized appropriately for all streams. Evidence includes architectural drawings and waste storage area layouts, demonstrating compliance with DCP and health and amenity standards.

Internal Transfer and Collection Logistics

The WMP outlines internal waste movement procedures from generation points (e.g. classrooms, canteen) to consolidation and collection areas. This includes safe internal transfer routes, collection point access for

Part E: Declaration

Lawful disposal of waste declaration

Under the *NSW Protection of the Environment Operations Act 1997*, both the owner and transporter of waste are legally responsible for ensuring that waste is taken to a place that can lawfully accept it.

I declare that:

1. This development achieves the resource and waste management outcomes and requirements set out in the *DA Guidelines for Resource and Waste Management Planning*. ☒ Yes ☐ No
2. All works and final construction of resource and waste management systems will be undertaken in accordance with this plan. ☒ Yes ☐ No
3. The information provided in this resource and waste management plan submission is to the best of my knowledge true. ☒ Yes ☐ No

General declaration

I declare that:

1. This development achieves the resource and waste management outcomes and requirements set out in the *DA Guidelines for Resource and Waste Management Planning*. ☒ Yes ☐ No
2. All works and final construction of resource and waste management systems will be undertaken in accordance with this plan. ☒ Yes ☐ No
3. The information provided in this Resource and Waste Management Plan submission is to the best of my knowledge true. ☒ Yes ☐ No

Prepared by: Ivana Singh

Date: 19/06/2025

Signature:

I. Singh

Office use only

- ☐ An updated construction Resource and Waste Management Plan is required prior to issue of Construction Certificate.
- ☐ An updated occupancy Resource and Waste Management Plan is required prior to issue of Occupancy Certificate.