

JINDABYNE POLICE STATION

WASTE MANAGEMENT PLAN

PREPARED FOR: SNOWY MONARO REGIONAL COUNCIL

3 March 2021

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 1 of 11
		Section	INTRODUCTION

JINDABYNE POLICE STATION

This Waste Management Plan (WMP) is a controlled document developed by Group GSA.

The WMP is to be used as guidance only. This document will become the responsibility of the main contractor and is to be developed further in the following project stages.

Revision

The Quality Manager shall be responsible for ensuring all revisions remain up-to-date and controlled, communicating the updated documentation to those on the recipient list, as well as to the Wider Project Team.

Revision	Date	Description	Prepared By	Reviewed By	Approved By
01	25/01/2021	DA Submission	Oswaldo Marcelo	Janine Graves	Janine Graves

Title:	JINDABYNE POLICE STATION - WASTE MANAGEMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 2 of 11
		Section	INTRODUCTION

Table of Contents

1. INTRODUCTION.....	4
1.01 OVERVIEW	4
1.02 PURPOSE OF THE WMP.....	4
2. OPERATIONAL WASTE AND STORAGE.....	5
2.01 OVERVIEW OF THE DEVELOPMENT	5
2.02 WASTE GENERATION ESTIMATE	5
2.03 TOTAL WASTE GENERATED	6
2.04 WASTE AND STORAGE AREA.....	7
2.05 SIGNAGE	7
3. ON SITE MANAGEMENT PROTOCOLS	8
3.01 CARDBOARD/PAPER RECYCLING.....	8
3.02 PAPER RECYCLING	8
3.03 CONFIDENTIAL DOCUMENT RECYCLING	8
3.04 GENERAL WASTE	8
3.05 GREEN WASTE	9
3.06 ADDITIONAL RECYCLING STREAMS	9
4. COLLECTION OF WASTE	10
4.01 COLLECTION.....	10
5. CONSTRUCTION	11
5.01 DEMOLITION	11
5.02 CONSTRUCTION	11

Title:	JINDABYNE POLICE STATION - WASTE MANAGEMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 3 of 11
		Section	INTRODUCTION

1. INTRODUCTION

1.01 OVERVIEW

GroupGSA have produced a Waste Management Plan for the Jindabyne Police Station Development Application Statement of Environmental Effects. It is however expected that the main contractor produces a WMP aligned with the waste management guidelines from the local council and any statutory requirements prior to commencement of work on site.

Group GSA operates an Integrated Management System comprised of standard procedures to perform various management functions across GroupGSA operations.

GroupGSA has achieved certification in the following areas:

- Quality System to AS/NZS ISO 9001:2008
- AS4801 Occupational Health and Safety
- ISO 14001-2004 Environmental Management System

To ensure compliance with these procedures/processes, regular audits are to be conducted.

1.02 PURPOSE OF THE WMP

The Waste Management Plan has been prepared to be assessed with the DA Submission. It outlines expected ways in which the development, Jindabyne Police Station, at 16-18 Thredbo Terrace, Jindabyne, will manage waste and recycling generated from the demolition, construction and ongoing use of the development in accordance with Snowy River Development Control Plan 2013, and any statutory requirements.

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 4 of 11
		Section	INTRODUCTION

2. OPERATIONAL WASTE AND STORAGE



2.01 OVERVIEW OF THE DEVELOPMENT

The proposed development at 16-18 Thredbo Terrace, Jindabyne comprises a 2 storey Police Station, 2 storey accommodation building, a carport and a storage shed. The development comprises an approximate total GFA of 1,099m².

2.02 WASTE GENERATION ESTIMATE

Based on the information of current usage and benchmark data from similar developments, the primary waste streams expected to be generated in the ongoing operation of the development would be:

- Cardboard/paper recycling
- General Waste
- Green waste

Title:	JINDABYNE POLICE STATION - WASTE MANAGEMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 5 of 11
		Section	OPERATIONAL WASTE AND STORAGE

Additional smaller waste streams may include toner cartridge recycling, fluoro tube/globe recycling and battery recycling.

2.03 TOTAL WASTE GENERATED

Table 1 below summarises the expected approximate quantities of waste and recyclables generated through the ongoing operation of the **Police Station building**. These estimates are based on similar development types.

Table 1 – Estimated Total Waste Generated (Police Station)

Floor Level	Area GFA	Waste Volume (10L/100SQM)	Recycling Volume (10L/100SQM)
GROUND	317	31	31
LEVEL 1	304	30	30
		61 L	61 L

Waste: Required bin volume per day. **1 x 240L MGB (Mobile Garbage Bin - Red)**

Recycling: Required bin volume per day. **1 x 240L MGB (yellow)**

Green Waste: **1 x 240L MGB (green)**

Table 2 below summarises the expected approximate quantities of waste and recyclables generated through the ongoing operation of the **Accommodation building**. These estimates are based on similar development types.

Table 2 – Estimated Total Waste Generated (Accommodation Building)

Floor Level	No. of Dwellings	Waste Volume (80L/unit/week)	Recycling Volume (40L/unit/week)
GROUND	4	320	160
LEVEL 1	4	320	160
		640 L	320 L

Waste: Required bin volume per day. **1 x 240L MGB (Mobile Garbage Bin - Red)**

Recycling: Required bin volume per day. **1 x 240L MGB (yellow)**

Green Waste: **1 x 240L MGB (green)**

The above assessment of projected waste is a calculated estimate only and will be influenced by the development's management and occupant's waste disposal and recycling practises.

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 6 of 11
		Section	OPERATIONAL WASTE AND STORAGE

2.04 WASTE AND STORAGE AREA

The proposed waste and recycling storage will be external and the dedicated area has an approximate area of 6m². This provides adequate space for the recommended bins as detailed above. Refer to the Architectural floor plans for the area location.

The waste and recycling storage areas will have the following features:

- Ventilation: The waste storage area is proposed to be naturally ventilated.
- Vermin Prevention:
 - The bin storage area will feature tightly fitted doors
 - Vermin proof openings
 - Police Management is to ensure that as part of the cleaning and/or waste contract, that the bin lids are kept closed
 - Cleaners are to ensure that bin lids are closed when unattended
- Noise: Noise will not be an issue due to the proposed location of the waste storage room setback from the street behind the security line adjacent to the vehicle driveway and vehicle parking areas.
- Floor: Structural concrete slab with smooth epoxy topping finish
- Walls: Masonry or similar rendered smooth even surface.
- Roof: Roof landscaped and integrated into landscape design
- Lighting: External landscaped lighting
- Signage: clear signage identifying the various streams and appropriate use will be prominently displayed (see section on signage below).

2.05 SIGNAGE

The station manager/caretaker is responsible for the waste room signage including safety signage. Waste and recycling streams should be differentiated with clear appropriate signage on all bins and on walls within the waste storage area.. Below are some examples of appropriate signage incorporating textual information, pictures and colour coding to communicate the message.



Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 7 of 11
		Section	OPERATIONAL WASTE AND STORAGE

3. ON SITE MANAGEMENT PROTOCOLS

3.01 CARDBOARD/PAPER RECYCLING

The vast majority of material in this stream will be comprised of cardboard from deliveries/packages etc. A large volume of cardboard is not expected for this development type. Cardboard generated from general office areas etc, would be transferred to the waste storage area by staff/cleaners as required to be flattened and placed into the 240L MGB provided for recycling.

3.02 PAPER RECYCLING

Paper recycling should be implemented where practical in all general office areas likely to generate paper material. Paper recycling system should accept all paper including newsprint, glossy paper and mixed office paper.

Dedicated small bins should be provided in relevant locations – likely to be in cabinetry/cupboards for users to dispose paper materials, and near workstations. These bins would be serviced by cleaners by emptying them into a segregated cleaner trolley which would then be transferred to the waste storage area to be decanted into the 240L MGB provided for paper recycling.

3.03 CONFIDENTIAL DOCUMENT RECYCLING

Confidential document bin numbers and locations will be determined at the discretion of the operator. This stream will be fully managed by the operator and collections will be scheduled as required and would take place directly from the location of the bin(s). i.e. confidential bins would not be stored in the waste storage area.

3.04 GENERAL WASTE

240L MGB's have been recommended for the internal management, collection and movement of the general waste stream.

The 240L MGB's will be utilised by cleaning staff at the point of generation i.e. kitchens and appropriate Back of house areas. Once full, the bins will be transferred to the waste storage area for collection and an empty bin can be taken back to the required area for use.

In general office areas, dedicated small bins should be provided for the disposal of general waste materials and paper recyclable as a minimum. These bins would be serviced by cleaners by emptying them into a segregated cleaner trolley which would then be transferred to the waste storage area to be decanted into the 240L MGB's provided.

The Standard colour for the general waste stream specifies dark green or black bin bodies with a red lid. It is recommended that all receptacles are coloured consistently in accordance with this standard, and that signage for this stream is developed using the same colour for ease of recognition.

Title:	JINDABYNE POLICE STATION - WASTE MANAGEMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 8 of 11
		Section	ON SITE MANAGEMENT PROTOCOLS

3.05 GREEN WASTE

There may be some green waste generated by the development's landscaping. Any green waste will be collected and placed in the MGB for Green waste provided to be then collected by the Local Council on allocated collection days.

3.06 ADDITIONAL RECYCLING STREAMS

Toner Cartridge recycling

- To minimise toner cartridge waste from administration office area, it would be recommended that the occupier install printers and photocopiers which have refillable toner cartridges, which are refilled as part of the supply agreement. Where cartridges are generated, recycling systems should be implemented. This is usually in the form of a large cardboard box. Toner cartridge recycling is usually a free or low cost recycling stream provided by Planet Ark for example, and can be managed directly by the occupier.

Fluro tube/globe recycling

- A take-back program with the electrical/maintenance contractor should be implemented for fluorescent light tubes and lamps. If this is not possible, used materials should be stored in dedicated tube boxes in the waste storage area and collected as required.

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 9 of 11
		Section	ON SITE MANAGEMENT PROTOCOLS

4. COLLECTION OF WASTE

4.01 COLLECTION

It is proposed for waste bins to be transferred/wheeled to the street kerb by police management/caretakers and placed in a line for kerb side collection by the Local Council's garbage collection vehicles on the Council's advised collection days. The Empty bins are to be returned to the waste storage area on same day of collection by police management/caretaker.

The waste storage area is conveniently located near to street frontage to minimise distance for the transfer to the street kerb.

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 10 of 11
		Section	COLLECTION OF WASTE

5. CONSTRUCTION

5.01 DEMOLITION

The proposed development includes the demolition of the existing Police Station and accommodation building and Construction of New Police Station and accommodation building in the same location.

Below is a table of the estimated type of waste generated by the demolition works of the existing buildings.

Demolition			
Type of waste	Estimated Volume(m³) or Weight (T)	Re-use or Recycling	Disposal
Site Waste	3920 m³	In Part use for fill of site	In Part
Masonry	290m³	In Part Sent to Recycling Facility	In Part
Timber	882m³	In Part Sent to Recycling Facility	In Part
Tiles	425m³	In Part Sent to Recycling Facility	In Part
Glass	180m³	In Part Sent to Recycling Facility	In Part
Plasterboard	1.7 T	nil	yes
Metal - Aluminium	4.25 T	In Part Sent to Recycling Facility	In Part
Floor covering	3 T	nil	yes
Hazardous/special waste – asbestos & lead	Refer "Hazardous Building Material Inspections report" for material register and recommended control measure to mitigate risks during removal of materials.		

Demolition contractor is to provide a Site Waste Management plan report prior to commencing works. It should include reviewing and updating the above table as required, advise recycling methods if any, proposed transport to recycling outlet, the recycling site location and landfill site for disposal.

5.02 CONSTRUCTION

The head contractor will be responsible for the removing of all construction-related waste offsite in a manner that meets all authority requirements. The contractor is to provide a Construction waste management plan prior to works commencing.

Title:	JINDABYNE POLICE STATION - WASTE MANAGMENT PLAN V2	Created Date:	22/01/2021
Document Owner:	GROUP GSA	Version Issue Date:	3/03/2021
		Version No:	1
		Page Number:	Page 11 of 11
		Section	CONSTRUCTION