

WASTE MINIMISATION AND MANAGEMENT PLAN
Proposed retail development Woolworths, Bridgman Ridge, NSW
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1. INTRODUCTION

This report constitutes a Waste Management and Minimisation Plan to accompany a Development Application to Singleton Council for the Development Application (DA) located at Bridgman Ridge, Wattle Ponds.

This information details the management and minimisation of waste during the demolition, construction and continuing operational phases of the proposed development. Practical and feasible management options have been identified and are detailed. Effective waste management is essential for the demolition and construction phase of the project and in the ongoing operations of the site.

The priorities of waste management principles for this project include:

- Reduce wastes at the source;
- Reuse materials, where possible;
- Recycle wastes, where practical;
- Removal of all waste from the site; and
- Dispose of wastes appropriately and responsibly.

2. WASTE SOURCES ASSOCIATED WITH DEMOLITION AND CONSTRUCTION PHASES

2.1 Potential Waste Sources

There are several sources of potential waste during the demolition and construction phases, including:

- Solid waste (demolition and clearance material);
- Solid waste („domestic“ debris);
- Solid waste (putrescibles); and
- Hazardous waste (oils and sludges).

These waste streams and potential impacts are discussed below.

2.2 Potential Impacts

2.2.1 Solid Waste – Demolition and Clearance Material

During demolition and construction works, concrete, steel, cabling, timber and scrap metal will be encountered. In accordance with the principles of waste management, opportunities for re-use and recycling will be utilised.

Inert material (including steel waste if encountered during the excavation for footings) will be kept in a designated „clean“ stockpile area and covered as required with plastic and/or tarpaulins, to minimise potential dust impacts, while awaiting transport off-site.

Where possible, material will be transported to a building waste recycling facility to be specified at a later date. Alternatively, it will be disposed of at a licensed landfill site.

2.2.2 Solid Waste – Domestic Debris

„Domestic“ debris comprises everyday waste such as paper, aluminium cans and other materials generated by construction and maintenance workers. It is proposed to service the site by private contractors.

The size of bins within the garbage rooms will accommodate the requirements of the private contractors. Recyclable materials will be stored separately and appropriately recycled by the contractor.

A cigarette butt collection point will be provided on-site for construction workers.

2.2.3 Solid Waste – Putrescibles Waste

Putrescibles and „green“ waste comprises food scraps. These wastes will be collected and stored separately from other wastes produced during construction and disposed offsite by a licensed contractor to either a „green waste“ facility or landfill.

2.2.4 Hazardous Waste – Contaminants, Oils and Sludge's

Any site works will be monitored and further environmental investigation will be undertaken if required. Should unexpected materials be discovered during the course of excavations, work will cease immediately and plans for the safe handling, storage and disposal in accordance with relevant statutory guidelines will be developed.

Any waste oils accumulated during maintenance of heavy machinery will be disposed offsite by the contractor as part of their own licence agreements. Waste oil contractors and maintenance and refuelling contractors will be required to have spill response procedures in place. Refuelling will be carried out at designated areas to control potential spill and maintenance issues. Spill response equipment will be stored at the construction sites in the event of unforeseen spills due to hose breaks, etc. Minor waste oil spills will be contained and impacted soils disposed of according to NSW legislation.

No other hazardous wastes are anticipated on site.

3. MITIGATION MEASURES

3.1 Detailed Waste Management Plan

A detailed waste management plan (WMP) can be developed once a contractor has been engaged to undertake the built works and could form part of a construction management plan, which would include:

- Designated stockpiles, recycling areas, bins and a clear indication of the waste streams associated with each one;
- Stripped topsoils, if any, generated through earthworks would be stockpiled for later use;
- Plans of protection measures for waste storage areas;
- Waste handling, management and storage procedures;
- Disposal procedures for each waste stream;
- Training for on-site staff on the contents of the WMP; and
- Emergency plans and contingency plans.

3.2 Waste Tracking

3.2.1 Waste Management Guidelines

In accordance with the *Protection of the Environment Operations Act 1997*, and the EPA's *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-liquid Wastes*, waste tracking requirements apply to the generation, storage, transport, treatment or disposal of certain types of wastes. Potential wastes which could be generated on site that will require tracking include:

- Waste oils;
- Oil and fuel filters; and
- Oily water.

3.2.2 Waste Register

A register of wastes will be kept throughout the construction project. The register will contain details pertaining to:

- The types and quantity of wastes for each load taken off site;
- The place to which the waste was taken for treatment or disposal; and
- The waste contractor used for each waste load.

4. OPERATIONAL WASTE MANAGEMENT

4.1 Woolworths Supermarket

As part of the future operations of the proposed Woolworths Supermarket, private contractors will be utilised in the waste management process.

The proposed development includes a designated „on-site“ waste storage area. Waste and recycling will be stored in the designated area until such time as it is to be collected. The location of the storage area waste collection times will be in accordance with Council’s DCP requirements.

The waste storage area for the supermarket has been designed to be located in the loading dock area. Signage will be erected in a prominent location instructing drivers to switch off engines once in place to collect garbage. Fabcot Pty Ltd engage private contractors to service Woolworths stores.

As part of the applicant’s policy for its employees all care will be taken including appropriate OH & S measures associated with the Woolworths “bin store” or garbage room.

See Annexure of the Supermarkets Waste Management Plan.

Cardboard and glass recycling

Approximately 95% of all cardboard that comes into the store as packaging will be compressed into bales by a cardboard compactor. The compacted cardboard bales are collected on a regular basis by truck transport under contract to an approved contractor and transported to a recycling facility. Glass waste will be kept separate from general waste and transported to a recycling facility under similar arrangement.

General waste

Other store waste will be managed through the provision of a skip bin that will be maintained by an approved contractor on a weekly basis. Bins will be housed in a screened waste enclosure, in close proximity to the loading dock and be readily accessible by garbage collectors.

This process will involve a waste management routine to be undertaken by staff. This routine will include:

- Waste containers/wheelie bins will be covered at all times; and
- Waste containers/wheelie bins to be moved from the existing waste storage area to the designated collection area for pick-up

5. CONCLUSION

This Waste Minimisation and Management Plan has been prepared to assist Council in the assessment of the development proposal and in particular the operational components for the proposed development.