

# WASTE MINIMISATION PLAN

## MOSS VALE AQUATIC CENTRE KIRKHAM STREET MOSS VALE

PREPARE FOR WINGECARRIBEE SHIRE COUNCIL

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## **1.0 Introduction**

The aim of this Strategy is to outline the proposed waste management procedures for the Moss Vale Aquatic Centre. Controlled copies of this Strategy will be issued to key personnel managing the operation of the Aquatic Centre and Council.

### **1.1 Outline of Proposal**

The site currently comprises an existing outdoor swimming pool complex with adjoining amenities/entry control/kiosk building. This complex is aged and non compliant in many areas – the new proposal is for a new indoor swimming complex with large multi purpose room, child minding and kiosk/café services.

### **1.2 Description of Proposal**

The proposed redevelopment works for the current Moss Vale Aquatic Centre site include the following:

- Demolition of the existing outdoor concrete pools and concourses, plant room, concrete concourses and existing entry amenities building.
- Construction of a new indoor aquatic centre comprising two separate indoor pools, new plant room, entry/control/management & kiosk, short term child minding, large multi purpose room and amenities to service both wet and dry zones.
- New car parking arrangement to the front of the facility which will include accessible ramp and main stairway to the entry. Accessible parking and drop off zone is to be provided.
- Hard and soft landscaping.

There will be demolition waste, including significant concrete and steel reinforcement, some bonded asbestos pipe work.

There will be general construction waste generated during construction of the new complex.

There will be minimal waste generation during the car park and landscape works.

The operation of the facility will generate waste of a general nature, most of which can be separated for recycling by the use of separate bins.

## **2.0 Waste Management**

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### **2.1 Environmental Management**

#### **2.1.1 Mission**

To strive for the highest standards of environmental performance by pursuing sustainable and responsible business practises

#### **2.1.2 Objectives**

- To plan our approach to environmental issues;
- to demonstrate continuous commitment to the environment and its protection;
- to complete an action plan for environmental response and impact;
- to develop and implement policies that promote an environmental conscience and responsibility

#### **2.1.3 Goals**

- Environmental Protection
- Compliance with Statutory Standards
- Environmental Awareness
- Information Management
- Supplies Services

### **2.2 Minimisation**

In recognition of the need for a strategy addressing waste within the framework of the sporting complex's operations, the following Plan is proposed. The key focus areas of this Plan include Waste Disposal and Ongoing Management.

Some of the actions from the Waste Minimisation and Management Plan that will be applied include the following:

- recycle all cardboard;
- use a preferred contractor for collection of specific waste;

Waste will be managed using Otto style garbage bins. Waste collection schedules will be discussed with the waste contractor, and will depend on projected volumes. The general waste and cardboard bins will be stored in the designated waste storage gated area to the west and adjacent the kiosk service entry.

## 2.3 Waste Management Plan

Target	<ul style="list-style-type: none"> <li>Reduction of waste to landfill</li> <li>Reduction of litter throughout the site and in litter stream</li> </ul>
Strategy	<ul style="list-style-type: none"> <li>Increase reduce, re-use and recycle initiatives and review waste management practises</li> <li>Continuously strive to reduce litter within the environment</li> </ul>
Actions	<ul style="list-style-type: none"> <li>Daily litter patrols within the vicinity of the complex</li> <li>recycle all recoverable cardboard and used office paper</li> <li>recycle all used cooking oils</li> <li>appropriate disposal of residual waste</li> <li>utilise electronic communication wherever possible for training and correspondence</li> </ul>

## 2.4 Controls for the Management and Minimisation of Waste – Demolition

Materials on Site				
		Reuse and Recycle		Disposal
Type of Material	Estimated Volume (M3) or Area (m2)	Onsite <ul style="list-style-type: none"> <li>Specify proposed reuse or on site recycling methods</li> </ul>	Offsite <ul style="list-style-type: none"> <li>Specify contractor and recycling outlet</li> </ul>	<ul style="list-style-type: none"> <li>Specify contractor and landfill site</li> </ul>
Excavation material	650m3	50% to be used as backfill and recompact to gain levels.	Clean fill site to be sourced once contractor is appointed Approx 300m3	Not known until builder appointed following tender process.  Tender process not commenced until after development consent has been issued.
Green Waste	40m3			Disposal at Wingecarribee Council Waste Depot
Bricks	15m3	Crush and reuse – at council recycling yard		
Concrete	300m3 – pools and concourses	Crush and reuse – at council recycling yard		
Timber	9m3		Recycle to timber recyclers – not known until quotation process undertaken	
Plasterboard/Fibre Cement Sheeting	3 tonne			Disposal at Wingecarribee Council Waste Depot
Metals	8 tonne – plant and cast iron pipework		Recycle to Wingecarribee Council Waste Depot	
Asbestos	1.5 tonne bonded asbestos pipe			Licensed Contractor to dispose at Council Waste Disposal Depot

## 2.5 Controls for the Management and Minimisation of Waste – Construction

Materials on Site				
		Reuse and Recycle		Disposal
Type of Material	Estimated Volume (M3) or Area (m2)	Onsite <ul style="list-style-type: none"> <li>Specify proposed reuse or on site recycling methods</li> </ul>	Offsite <ul style="list-style-type: none"> <li>Specify contractor and recycling outlet</li> </ul>	<ul style="list-style-type: none"> <li>Specify contractor and landfill site</li> </ul>
Excavation material	150 m3	As above		
Green Waste	NA			
Bricks/Blocks	2 m3	Crush and reuse as drainage medium		
Concrete	2 m3	Crush and re use as drainage medium		
Timber	0.5 m3			Disposal at Wingecarribee Council Waste Depot
Plasterboard		Clean plasterboard stockpiled for use in landscaping to condition soil		
Metals	nil			
Packaging & General Building Waste	15 m3			Disposal at Wingecarribee Council Waste Depot

## 2.6 Controls for the Management and Minimisation of Waste – Design & Operation of Facility

Type of Waste to be Generated	Expected Volume per week (litres or m3)	Proposed Onsite Storage and Treatment Facilities <ul style="list-style-type: none"> <li>Specify proposed reuse or onsite recycling methods</li> </ul>	Destination <ul style="list-style-type: none"> <li>Specify contractor and recycling outlet</li> </ul>
General waste including food, waste, paper, plastics – PP, PS, EPS, HDPE, LDPE, miscellaneous customer waste	300litres	Waste storage and recycling area with capacity for eight Otto style bins	Contractor identified upon appointment of Operator/ Manager and following DA approval
Paper and Cardboard	1.5m3	2 of the 8 bins to be for cardboard	Contractor identified upon appointment of Operator/ Manager and following DA approval
Glass and Plastics	2.0m3	2 of the 8 bins to be for cardboard	Contractor identified upon appointment of Operator/ Manager and following DA approval
Used Cooking Oils	20 litres	Waste storage and recycling area	Contractor identified upon appointment of Operator/ Manager and following DA approval
Sanitary and disposable nappy waste		Container removal and replacement services	Contractor identified upon appointment of Operator/ Manager and following DA approval
Grease Trap Waste			Contractor identified upon appointment of Operator/ Manager and following DA approval

### **3.0 Ongoing Management**

The operators of the facility shall collect, separate and sort recyclable from rubbish primarily by the use of specific waste stream bins within the venue.

There will be regular waste generation from the café/foyer and administrative areas and sporadic waste generation dependant upon the nature of events. Event management plans will include post event cleans both internal and external of the complex.

The waste storage bins have been suitably located and are screened from street and public view. The contractual arrangements will promote the achievement of environmental objectives, including:

- Maximising recovery of resources from waste;
- Minimising Green House Gasses emissions from waste disposal, collection and processing;
- Maximise gas capture from disposal of waste at landfill sites.