

# WASTE MANAGEMENT PLAN

## GRAFTON MEMORIAL SWIMMING POOL UPGRADE

CORNER OLIVER & TURF STREET, GRAFTON NSW

### STAGE ONE

PREPARED FOR CLARENCE VALLEY COUNCIL

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## 1.0 Introduction

The aim of this Strategy is to outline the proposed waste management procedures for the proposed upgrade of the outdoor pools and plant for Grafton Memorial Swimming Pool. 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 a brick main building on the corner of Oliver Street and Turf Street that comprises a main entry/control, kiosk and office space, recreation space and amenities. The existing outdoor elements consist of a 50m Olympic pool, children's pool, dive pool, single flume waterslide, grandstand, shade structures, concourses, pathways, and plantroom.

The stage one proposal is to build

- ✓ A new building housing
  - Indoor heated accessible 8 lane 25m Lap Pool
  - New indoor Multipurpose Leisure/Program Pool with zero depth to 0.6m Toddler Splashpad
  - Associated Plant and Storerooms
  - A new Accessible change room and Adult Change Room.
  - Lifeguard Office
- ✓ A new 8 lane 50m accessible Pool
- ✓ A new Grandstand
- ✓ Swim Club
- ✓ Associated Plant & Storerooms

The existing building is to be refurbished during future stages.

## 1.2 Description of Proposal

The proposed redevelopment works for the current Grafton Olympic Swimming Pool site include the following:

- ✓ Demolition of the existing outdoor pools and removal of waterslide
- ✓ Demolition of grandstand
- ✓ Demolition of plantroom and shade structures
- ✓ Excavation and preparation for
  - new indoor 25m pool, leisure/program pool
  - outdoor 50m pool
  - associated balance tank and backwash detention tanks.
- ✓ Construction of new formed & poured concrete pool shell and associated balance tanks including full tiling and pool fitout, and construction of underground backwash detention tank.
- ✓ Construction of new pool enclosure building, plantroom buildings, grandstand, and shade structures.

- ✓ Construction of new concrete concourses and associated pavements.

There will be demolition waste, including concrete and steel reinforcement, brickwork, and timber.

There will be clean fill as the pools and associated tanks require excavation. Some fill if deemed suitable may be retained and used onsite to fill sections of demolished existing pools.

There will be general construction waste generated during construction of the new works

The operation of the facility may generate a larger amount of waste as presently occurs – as patron numbers will likely increase due to the year-round operation of the indoor component of the facility. Weekly volumes should increase on current trends. This general waste can be better managed with waste receptacles labelled for different waste streams.



## 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 during operation of the facility will be managed using Otto style garbage bins. Waste collection schedules will be discussed with the waste contractor, and will depend on the projected volume, there is already a waste collection contract in place. The general waste and cardboard bins will be stored in the designated waste storage gated area to the southeast of the site – in service zone.

## 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 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 (m <sup>3</sup> ) or Area (m <sup>2</sup> ) approx.	Onsite • Specify proposed reuse or on-site recycling methods	Offsite • Specify contractor and recycling outlet	• Specify contractor and landfill site
Excavation material	600m <sup>3</sup>	All to be re-used to fill existing demolished pool cavity and backfilling requirements.	Nil	Not known until builder appointed following tender process.
Green Waste	Removal of four (4) trees, numerous palms, and shrubs.	Nil	NA	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Bricks	50m <sup>3</sup>	NA	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Concrete	1,000m <sup>3</sup> (Estimated)	Potential for concrete to be crushed onsite and reused onsite for various purposes	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility if required.
Timber	10m <sup>3</sup>	Nil	Recycle to timber recyclers – not known until quotation process undertaken	Not known until builder appointed following tender process.
Plasterboard/Fibre Cement Sheeting	1 tonne	Nil	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Metals	150 Tonne (Estimated)	Nil	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Asbestos	Unknown, may be present in plantroom and pipework of existing 50m pool	Nil	Nil	Licensed Contractor to dispose at a licensed Asbestos Waste Disposal Depot if required.
Excavated Sand	Nil	Nil	Nil	Nil
Topsoil	150m <sup>3</sup>	Re use around existing extensive lawn areas as top dressing and mounding.	Nil	Stored on site for reuse

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

Materials on Site				
		Reuse and Recycle		Disposal
Type of Material	Estimated Volume (M <sup>3</sup> ) or Area (m <sup>2</sup> )	Onsite (Specify proposed reuse or onsite recycling methods)	Offsite (Specify contractor and recycling outlet)	Specify contractor and landfill site
Excavation material	Bored piers 50 m <sup>3</sup>	Nil	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Green Waste	NA	Nil	NA	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Bricks/Blocks	1.4 m <sup>3</sup>	Breakup and reuse as drainage medium	Nil	Nil
Concrete	Waste concrete from pours 20 m <sup>3</sup>	Breakup and re use as drainage medium - stormwater	Nil	Nil
Timber	Used formwork, pallets, and crating 15.0 m <sup>3</sup>	Nil	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Plasterboard	2.5 tonne	Break up and use in soil as clay breakdown agent.	Nil	Nil
Metals	Nil – all structural steel is prefabricated. Sheet cladding 2 m <sup>3</sup> – off cuts	Nil	To council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility
Packaging & General Building Waste	12 m <sup>3</sup>	Cardboard packaging to be flat packed for recycling.	General waste to council waste recovery centre	Disposal at Clarence Valley Council Waste & Resource Recovery Facility

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

Type of Waste to be Generated	Expected Volume per week (litres or m3)	Proposed Onsite Storage and Treatment Facilities (Specify proposed reuse or onsite recycling methods)	Destination (Specify contractor and recycling outlet)
General waste including food, waste, paper, plastics – PP, PS, EPS, HDPE, LDPE, miscellaneous customer waste	2.0m <sup>3</sup>	Waste storage and recycling area with capacity for eight Otto style bins – located in service area.	Contractor already engaged for current facility.
Paper and Cardboard	0.6m <sup>3</sup>	2 of the 8 bins to be for cardboard	Contractor already engaged for current facility.
Glass and Plastics	0.6m <sup>3</sup>	2 of the 8 bins to be for cardboard	Contractor already engaged for current facility.
Used Cooking Oils	30 litres	Waste storage and recycling area-stored in drums that oil came in.	Contractor already engaged for current facility.
Sanitary and disposable nappy waste		Container removal and replacement services	Contractor already engaged for current facility.
Grease Trap Waste		Previous regime in place	Contractor already engaged for current facility.

### 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 dependent 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.