

Waste Management Plan

Revision 1.0 January 2019





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1 Introduction

The purpose of the Waste Management Plan (Plan) is to describe the principles, procedures and management of the waste generated by the Canberra Aqua Park, which is planning to operate at the Tarcoola Reach swimming area at Black Mountain Peninsula in Lake Burley Griffin. This Plan has been developed in line with Canberra Aqua Park's objective to ensure wastes are reduced, reused and recycled wherever possible.

The Plan includes details on the following:

- The types and quantities of waste generated during operation; and
- Procedures to collect and dispose of waste.

This Plan also considers other aspects to waste management such as waste reduction, segregation of waste and disposal of waste.

2 Waste Types and Quantities

The swimming area of Canberra Aqua Park will not produce a significant amount of waste as there is minimal product importation or production on site. It is expected that that majority of waste will be associated with consumption of food or drink in the area. Estimates of the type of waste, and quantity of waste that will be disposed offsite is provided below. These estimates are based on the experience at Melbourne Cable Park.

Table 1: Waste types and volumes for offsite disposal

Activity	Waste origin	Waste type	Peak quantity	Basis
Identification bands	Canberra Aqua Park - part of ticketing system	General waste - adhesive strips	28 L/week	Bands occupy 8cm ³ volume when scrunched up. Assume 110 people per day average, but peak up to 500 people per day.
Consumption of food/drink	Public - bringing to site or from food van	General waste - adhesive strips	400 L/week	Pro-rate from Melbourne Cable Park.
Consumption of food/drink	Public - bringing to site or from food van	Recyclable waste	400 L/week	Pro-rate from Melbourne Cable Park.



Activity	Waste origin	Waste type	Peak quantity	Basis
Sanitary waste disposal	Public use of toilets	Sanitary waste	Unknown	Not quantified at this time.
Inflatable repairs or disposal	Worn equipment	Plastics	n/a - will be taken offsite by Canberra Aqua Park	We will not disposal of inflatables on site.

Based on preliminary estimates, we expect weekly general waste to be up to 428 L/week and recyclable waste to be up to 400 L/week. This figure will depend on the patronage of the area and will need to be monitored and revisited over time.

3 Waste Collection and Disposal

Based on the initial projections, four bins (240 L capacity each) will be required. Two of the bins will be located near the food truck and two bins will be located outside the ticketing area. The ticketing area bins will be manually wheeled to the turning area weekly for emptying. The bins near the food truck may require more frequent emptying.

Canberra Aqua Park's waste contractor will empty the bins in a manner to prevent spillages, attraction of pests or odour issues. The contractor will also undertake general tidying up and disposal of the rubbish within the operating parameter of the aqua park. Bins will be cleaned on-site regularly using pressure cleaning equipment.

All general waste and recyclable rubbish bags will be transported by road to an appropriate recycling or waste disposal facility in the local area.

In the event of portable toilets are in use, all sanitary products will be contained within receptacles supplied by a contractor at land bases. The contractor will also be responsible for disposal of these wastes.

Table 2: Waste types and waste management practices

Waste	On-Site Storage	Final Disposal
General waste (garbage)	Will be contained in bins on site	To be disposed of in waste transfer station by waste management contractor
Recyclables	Will be contained in recycle bins on site and monitored by Canberra Aqua Park staff members	To be disposed of at recycling station by waste management contractor



Waste	On-Site Storage	Final Disposal
Grey Water	Non soap residual and relatively clean grey water from showers will be released back to the lake	Subject to permission from National Capital Territory, the relatively clean and low quantity grey water will be released back to the lake
Sanitation	All sanitary products will be contained within receptacles supplied by a contractor on board vessels	To be disposed appropriately by waste management contractor

4 Waste Minimisation

Wastes from the Canberra Aqua Park operation have the potential to impact on the environment and unmanaged rubbish will affect the viability of the aquaculture activities within Lake Burley Griffin. The Plan has been developed to manage the risk associated with the potential impacts including minimising waste generation.

Canberra Aqua Park will implement all possible waste minimisation procedures and therefore reduce the amount of waste to be removed from sites. Management, suppliers and contractors will all be encouraged to look at ways to minimise the amount of waste generated at the site. Canberra Aqua Park will follow industry best practice guidelines such as:

- Waste materials will be reduced, reused and recycled where possible;
- All sewage wastes will be contained on holding tanks in chemical toilets and disposed of through approved sewage management facility; and
- Residual materials that cannot be reused or recycled will be disposed of at an approved waste management facility.

5 Training

Canberra Aqua Park recognises the need for staff and contractors to be appropriately trained in the tasks that they are to undertake to reduce the chance of wastes being produced. The Canberra Aqua Park Operations Manager or appointed delegate will be responsible for ensuring the instruction of workers and contractors, implementation and overseeing of the Waste Management Plan during induction processes.

The Plan and its importance will be communicated to the whole team regularly. The monitoring of wastes generated will provide an opportunity to review the wastes being generated and ways in which they can be reduced. Business wide updates including



improved recycling amounts will be communicated and discussed at management and operational meetings.

6 Updates

The waste and recycle volumes from the site will vary over time so the frequency of clearances and the sizes of the bins may alter accordingly to accommodate these changes in the waste streams.