

# Dog Poo Composting Bin

Compact. Biodegradable. Hygienic.

## The Next Step in Waste Management

Dogs are an important member of the family, but with 4.2 million pet dogs in Australia, councils are faced with a big challenge.

Dogs produce a staggering 1.5 tonne of poo over their lifetime. With most dogs having at least one poo on their daily walk, that's a lot of excrement in public places.

While councils encourage dog owners to do the right thing, just 64 percent of Australians always clean up after their dog, 13 percent sometimes do, and 15 percent never do. Even those that do the right thing get caught out without a bag now and again.

People need to be able to dispose of their dog poo easily and quickly.

Even if everyone was to do the right thing every time, with our canine companions churning out so much waste, it's imperative to find a better solution than simply adding it to landfill.



# Dog Poo Dangers

## Environmental Damage.

Dog waste is an environmental issue and hazardous to the agriculture and fishing industries. It pollutes waterways and is in the same EPA category as oil and mine runoff.

Nitrogen and phosphorus contaminate local water supplies by promoting excessive algae growth, which limits the light available to aquatic vegetation. Increased water temperatures deplete oxygen, resulting in the death of fish and other aquatic organisms.

Dog waste can also damage turf and other vegetation, poison grass and shrubs, and adversely impact sensitive habitat areas.



## Diseases

Dog poo is a danger to both humans and other animals. It carries hookworms, ringworms, tapeworms, and even transmits human diseases, including vicious parasites. Among other things, dog feces can contain:

- **Giardia**
- **Salmonella**
- **Leptospira**  
(more common in warm and moist regions such as North Eastern NSW and Queensland)
- **E. coli**
- **Parvovirus**
- **Roundworms**

# Long Drop Dog Toilet (LDDT)

## What is a LDDT?

A Long Drop Dog Toilet is a biodegradable dog poo bin that keeps pet waste out of landfill. When installed in grass or soil, it converts excrement into soil.

Designed for walking tracks and exercise areas used by dogs, this compact in-ground composting system utilises worms and micro-organisms to hygienically recycle pet waste and create rich nutrients.

The micro-organisms accelerate the breakdown of waste, eliminate the smell and help remediate any pathogens, which ultimately contributes to a healthier soil.

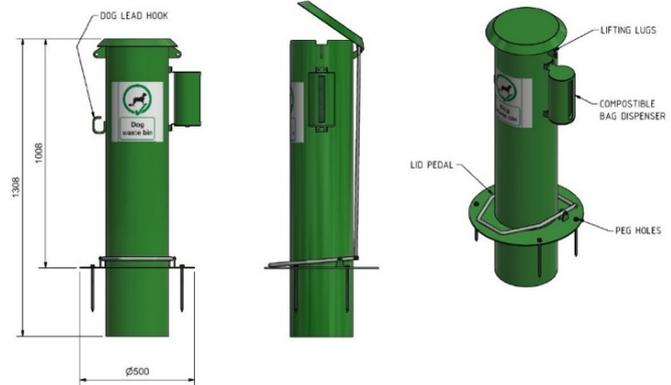
Dog owners simply take a complimentary, biodegradable bag from the dispenser and place it in the bin.

If placed at set distances, making them visible and accessible to dog owners, people would be more inclined to pick-up their dog poo and dispose of it properly.



## Features of the Bin

- Low maintenance.
- Very simple to setup and move.
- Hands free operation (lid is opened by foot control).
- One bag dispenser on side of bin (option of two dispensers).
- Dog lead hook on opposite side to bag dispenser.
- Waste is put in biodegradable bags and then placed into the bin.
- Once waste is about 300mm from surface, bin is lifted out and hole filled in.
- Two lifting lugs.
- Portable free-standing construction.
- Well ventilated to help breakdown material.
- Total Weight = 58kg
- All Steel Construction.
- Screw Pegs (x4) to secure bin to ground (optional)



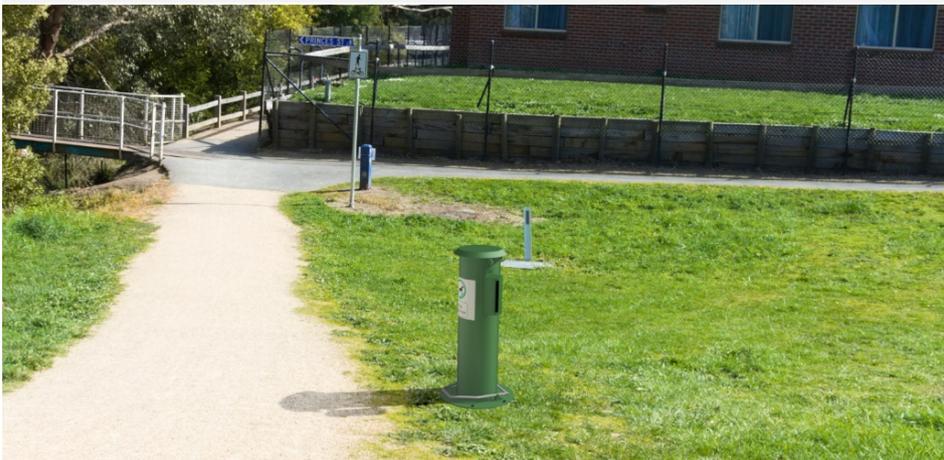
## Biodegrade Dog Waste Bags

Compostable bags are made from plant material rather than fossil fuels. These bags will biodegrade in landfill or in compost bins in accordance with Australian/NZ standard AS5810.

- Made from plant material not fossil fuels.
- Will biodegrade in a landfill or in compost bin.
- Licensed to Australian/NZ standard AS5180 for Home Compost.
- 500 bags per roll.



## The installation Process



## Servicing & Maintenance

The Long Drop Dog Toilet is designed to be moved from one location to a next with minimal service requirements. It has been manufactured to withstand the elements and be left alone for long periods without maintenance.

Except for refilling the empty biodegradable bag dispenser, the Long Drop Dog Toilet requires very little servicing and there is no need to clean or replace the bin during operation.

To help breakdown the waste, place one of the following into the bin:

- A quarter of a bucket of palettized micro-organisms;
- Half a bucket of wet, unbleached cardboard; or
- A quarter of a bucket of saw dust.



## Alternative Solutions

Trevilla also offers an inground bin unit that is non-composting for sensitive or urban areas such as coastal and lake walks, streets and sporting areas. This unit retains the dog poo and can be sucked out by a mobile sewer vacuum unit (truck or tandem trailer unit). The unit then transfers the waste to a composting site or sewer treatment plant. Note, if waste is being sent to sewer treatment plant, suitable water-soluble dog poop bags must be used.



# Local Manufacturing Partnerships

Trevilla Engineering & Design would like to work with councils to support local engineering firms by engaging manufacturers in their local precincts to produce LDDT.

Local Councils will be asked to supply a list of manufacturing firms within their zones, which may be impacted by Covid-19.



For more information or to discuss how our dog poo composting solution can work for your local area, get in touch.

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