



Certificate of Accreditation

Sewage Management Facility

Wet Composting Toilet

This Certificate of Accreditation is issued by the Secretary of the NSW Ministry of Health pursuant to Clause 41(1) of the Local Government (General) Regulation 2005.

System: *A&A Worm Farm Waste System*

Manufacturer: *A&A Worm Farm Waste Systems Pty Ltd*

Of: *5 /2135 Frankston Flinders Road*
HASTINGS VIC 3915

The A&A Worm Farm Waste System as described in Schedule 1, has been accredited as a sewage management facility for use in single domestic premises in NSW. This accreditation is subject to the conditions of accreditation and permitted uses specified in Schedule 2.

*A/Director, Environmental Health
for Secretary (delegation PH335)*

Issued: *25 May 2021*

Certificate No: *WetCT020*

Expires: *31 December 2026*

Schedule 1: Specification

Description of A&A Worm Farm Waste System:

The A&A Worm Farm Waste system is designed to treat all domestic wastewaters and putrescible household solid wastes in a single concrete or polypropylene tank by way of a non-mechanical natural process using worm technology.

The A&A Worm Farm Waste system incorporates a filter bed made up of several layers of a plastic drainage material designed to aerate the worm liquid as it passes through the layers. The top layer is of a finer material which prevents anything other than the processed liquid, worm castings and worm eggs filtering through to the bottom void of the chamber.

Wastewaters are directed onto the centre of the compost pile, which acts as a trickling filter to aerate the wastewaters. The effluent is collected in the base of the tank and drained by gravitation or pumped from a sump in the drainage bed to a land application area approved by the Local Council.

Air is drawn through the drainage bed and the compost pile by a fan located in the exhaust duct or a wind ventilator above the vent stack.

The A&A Worm Farm Waste system is available in several sized systems using a 1800 litre daily flow polypropylene collection well or 3200, 3600 and 4500 litre daily flow concrete collection well. The collection wells shall be manufactured in accordance with the requirements of the Standard AS/NZS 1546.1-2008 and shall be subject to a Certificate of Accreditation issued by the NSW Ministry of Health.

The A&A Worm Farm Waste system is suitable for installation at domestic premises subject to the approval of the Local Council.

Schedule 2: Conditions of Accreditation

1. General

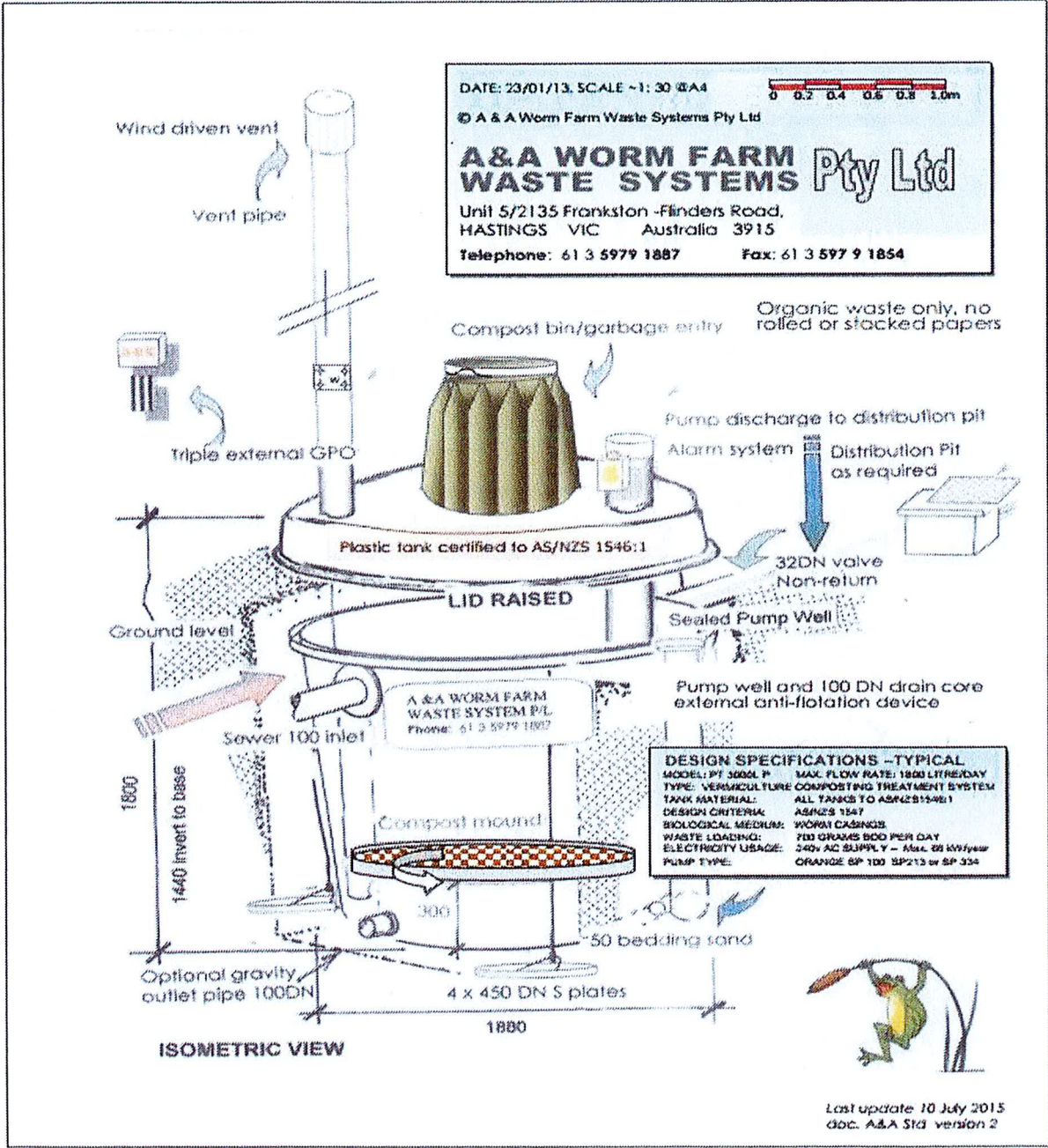
- 1.1 All applications for the installation of the A&A Worm Farm Waste system shall be made to the Local Council in accordance with the requirements of the *Local Government Act 1993 and Local Government (General) Regulation 2015*.
- 1.2 The A&A Worm Farm Waste system shall be supplied, constructed and installed in accordance with the design and specifications as submitted and accredited by the NSW Ministry of Health.
- 1.3 The concrete or polypropylene tanks, used in the assembly of the A&A Worm Farm Waste system, shall be manufactured in accordance with the requirements of the Standard AS/NZS 1546.1:2008 and shall be subject to a Certificate of Accreditation issued by NSW Health.
- 1.4 Each A&A Worm Farm Waste system shall be permanently and legibly marked on a non-corrosive metal plaque or equivalent, attached to the lid of the tank with the following information:
 - The brand name of the system;
 - The manufacturer's name or registered trademark;
 - The month and year of manufacture.
- 1.5 When the A&A Worm Farm Waste system requires emptying, all composted matter and other solid materials may be removed from the system by the owner or a contractor licensed by the Local Council.
- 1.6 Unless otherwise directed by the Local Council, the composted waste material is to be disposed of by burial within the confines of the premises in soil which is not intended to be used for at least three (3) months for the cultivation of food for human consumption. The minimum cover of soil over the deposited compost must be 100 mm.
- 1.7 The manufacturer shall supply with each system an owner's manual, which sets out the care, operation, maintenance and on-going management requirements of the system.

2. Installation and Commissioning

- 2.1 The Local Council should require that on completion of the installation of the A&A Worm Farm Waste system, the system is inspected and checked by the manufacturer or the manufacturer's agent. The manufacturer or the agent is to certify that the system has been installed and commissioned in accordance with its design, conditions of accreditation and any additional requirements of the Local Council.
- 2.2 The Council should require that all electrical work must be carried out by a licensed electrician and in accordance with the relevant provisions of AS/NZS 3000.

3. Permitted uses

- 3.1 The primary treated effluent from the A&A Worm Farm Waste system is suitable for disposal to:
- a LPED irrigation system installed strictly in accordance with the requirements set out in Appendix M of AS/NZS 1547:2012; or
 - a sub-soil land application system of a type approved by the Local Council.



ACCREDITED

25 MAY 2021

NSW MINISTRY OF HEALTH