

Certificate of Accreditation

On-Site Wastewater Management System

This Certificate of Accreditation is hereby issued by the Director of Building Control pursuant to Section 18(1) of the *Building Act 2016* and the accreditation of products.

System:	A and A Worm Farm Waste System
Manufacturer or Supplier:	A and A Worm Farm Waste Systems PTY LTD
Of:	1/10 Trehitt Ct Dromana VIC 3936

This is to certify that the A and A Worm Farm Waste System, as described in Schedule 1, has been accredited for use as a **Primary Treatment System** for the treatment of domestic wastewater generated in association with any class of building defined within the National Construction Code. This accreditation is subject to the conditions and permitted uses specified in Schedule 2, and in accordance with the *Building Act 2016*.



Brad Wagg
Delegate of the Director of Building Control
Consumer, Building and Occupational Services
Department of Justice

Date of Issue: 6 April 2026

Certificate Number: DOC/26/23464

This Certificate of Accreditation is in force until 6 April 2031 unless withdrawn earlier by the Director of Building Control

Document development history

Version date	Certificate number	Approved by	Amendment notes
26/03/2027	DOC/26/23464	AJ	Original release

Schedule 1: Specification

System Description

The A and A Worm Farm Waste System is a wet composting system using vermiculture (worms) to break down organic matter providing additional treatment to the standard primary settling operation of a septic tank. The treatment system is housed in a 3,200L RELN single chamber tank.

Testing of this system showed an improved standard of primary effluent once effluent had passed through this system.

A suitable land application system must be designed in accordance with AS/NZS1547:2012

This model has been approved by the certifier for use in Climate Zone 7.

Sludge chamber - minimum pump out frequency*

Sludge pump-out is listed as an exclusion for this system due to the minimal retention of sludge. Manufacturer recommends service and health check every 3-5 years.

*Sludge pump out to be included in the prescribed essential building services maintenance register.

Schedule 2: Conditions of Accreditation

Definitions in this schedule:

(Note: referenced Standards and Acts refer to version as per current NCC)

AS/NZS 1547 means the Joint Australian/New Zealand Standard 'AS/NZS 1547 On-site domestic-wastewater management'

AS 1546.1 means the Joint Australian/New Zealand Standard 'AS 1546.3 On-site domestic wastewater treatment systems, Part 3: Septic Tanks'

AS/NZS 3000 means the Joint Australian/New Zealand Standard 'AS/NZS 3000 Wiring rules'

AS/NZS 5667 means the Joint Australian/New Zealand Standard 'AS/NZS 5667.1 Water quality – Sampling, Part 1: Guidance on the design of sampling programs, sampling techniques and preservation and handling of samples'

BOD₅ means '5-day Biochemical Oxygen Demand'

Council means 'the Municipal Council having jurisdiction'

Designer means 'a person who has a specialty in the area of designing on-site wastewater management system installations and appropriately licensed under the *Occupational Licensing Act 2005*, with the suitable scope of work.'

Director means 'the Director of Building Control'

E. coli means 'Escherichia coli of the family Enterobacteriaceae which is a bacterium used in public health as an indicator of faecal pollution'

g/m³ means 'grams per cubic metre'

Manufacturer means 'as listed on Certificate of Accreditation'

NATA means 'National Association of Testing Authorities'

PCA means 'Plumbing Code of Australia'

Permit means 'a Permit issued by the council pursuant to section 82 of the *Building Act 2016*'

Permit authority means 'a person or body authorised for that purpose by the council of the municipal area in which the on-site wastewater management system is installed'

Supplier means 'the party as listed on Certificate of Accreditation, that is responsible for ensuring that products meet and, if applicable, continue to meet, the requirements on which the certification is based'

System means 'as listed on Certificate of Accreditation'

TSS means 'Total Suspended Solids'.

General

The system must be supplied, constructed, and installed in accordance with the design submitted and accredited by the Director.

The system must not be installed in a plumbing installation other than in accordance with the conditions of the permit issued by the Permit Authority.

The supplier must supply the owner and occupier, of each installation, with a user manual setting out the following:

- the treatment process
- procedures to be followed in the event of a system failure
- emergency contact number
- care, operation, monitoring and maintenance requirements, and
- inspection and sampling procedures to be followed as part of the on-going monitoring and program required by the permit authority.

Any proposed modifications to the system's specified processes, equipment, materials, or fittings, listed as a trigger for a retest under the relevant standard, must provide an updated certificate from the certifying body prior to consideration for a certificate of accreditation amendment by the Director.

The supplier must provide the following information to each permit authority where it is intended to install a system in their jurisdiction:

- Statement of warranty
- Statement of service life
- Quality Assurance Certification
- Installation Manual
- Service Manual
- Owner's Manual
- Service Report Form
- Engineering Drawings on A3 format
- Detailed Specifications
- Certificate of Accreditation and Schedules.

This Certificate of Accreditation is valid for five (5) years from the date of issue, unless withdrawn earlier by the Director.

Where a system has been found not to operate satisfactorily during its serviceable life, and as a result require modification to achieve the required water quality limits, all installed systems are to be modified accordingly. The failure of a system must be reported to the Director.

The system must not be deployed to areas where seasonal climatic conditions will negatively affect its proper operation (refer to manufacturer's specifications).

Installation and commissioning report

The Installation and Commissioning Report is to cover the 'as-constructed' records of the installation together with the results of commissioning tests to demonstrate correct construction and installation and is to be provided to the owner and permit authority on completion of the work. (Refer to and AS/NZS 1547 and associated appendices.)

Inspection and Maintenance Report

Maintenance reports cover ongoing inspection and maintenance operations to monitor the operation of the installation. (Refer to AS/NZS 1547).

Effluent distribution by sub-surface application may be permitted where the Permit Authority is satisfied that the application for a permit to install the system has demonstrated that the:

- effluent can be retained within the authorised land application area
- where applicable the land application has been designed and is capable of being installed and maintained in accordance with AS/NZS 1547
- the location of the land application satisfies the relevant requirements of the State Policy on Water Quality Management 1997, and
- the discharge can satisfy the relevant water quality limits.

Product approval documentation

The following documents are referenced as part of this Accreditation:

Document	Document date
RELN 3200L Septic tanks CoC AMI1651	23/05/2022
Global certification 7368-4209-01	24/05/2024

Installation and Commissioning

The installation and operation of the system must comply with the conditions of accreditation and the manufacturer's instructions.

All plumbing work carried out in connection with the system installation must satisfy the requirements of the *Building Act 2016* and the PCA and be carried out by a licensed plumber with appropriate training and qualifications.

All electrical work must be carried out by a licensed electrician and in accordance with relevant provisions of AS/NZS 3000. Where a system requires a 240V AC power supply, a weather-proof isolating switch must be provided at the power outlet. The power supply must have its own clearly marked designated circuit breaker in the electricity supply fuse box.

Maintenance and monitoring

Each installation must be visually monitored at not less than 3 monthly intervals in accordance with the conditions of accreditation, the conditions of permit and manufacturer's requirements.

Ongoing management

The test report states minimal sludge accumulation, to be confirmed during recommended system maintenance of 3-5 years. If deemed required, the sludge is to be disposed of in accordance with the Tasmanian Biosolids Reuse Guidelines and the conditions of the permit.

Only persons with a waste transport business Environment Protection Notice are to be engaged for the removal, transporting and disposal of accumulated sludge removed from the system.

Measures are to be put in place during servicing that will protect the environment, personnel and any other persons who could be affected by the activity.

Permitted uses

The effluent is suitable for land application by way of the following forms:

- (a) sub-surface by:
 - (i) trenches, beds, mounds, evapo-transpiration in accordance with the relevant provisions of AS/NZS 1547.

Note: Each of the above forms of distribution is subject to consent from the permit authority.

Where it is not practicable for effluent from the system to be applied in accordance with AS/NZS1547, the method of discharge must satisfy the performance requirements of the PCA.