



Health

Certificate of Accreditation

Sewage Management Facility

Waterless Composting Toilet System

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: Nature Loo Classic 650 WCT

Manufacturer: Ecoflo Wastewater Management Pty Ltd

Of: 6 Hurricane St, Banyo, Queensland, 4014

The Nature Loo Classic 650 Waterless Composting Toilet 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.

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

Issued: 19 December 2017

Certificate No: WCT001

Expires: 31 December 2019

Schedule 1: Specification

Nature Loo Classic 650 waterless composting toilet system

The Nature Loo Classic 650 batch waterless composting toilet system is designed to receive and treat human waste from a single toilet pedestal. Organic material may be added to the composting wastes as a bulking agent at intervals specified by the manufacturer. The system is designed to reduce such wastes after a minimum composting period of 10 months into an innocuous relatively dry waste that is capable of being disposed of within the premises without nuisance or risk to health.

The Nature Loo Classic 650 system is a batch process waterless composting system, constructed of UV stabilised medium density black polyethylene. The Nature Loo Classic 650 system consists of a pedestal with toilet seat, a chute, either 2 or 3 composting chambers, a 12 volt electrical exhaust fan and a flexible air hose leading from the composting chamber to an external rigid plastic vent pipe. If mains power is not available the system is connected to solar power.

Each composting chamber contains a perforated sub-floor, which allows urine to be collected in the base of the chamber. Most of the urine evaporates by virtue of the air circulation. Any remaining urine drains to a small absorption trench.

Air circulation to both the in-service and out-of-service chambers is provided by way of two 12-volt (2 Watt) ventilation fans, connected in a 3-way junction, which allows both chambers to be actively vented by the two fans.

In the in-service chamber the air is drawn through the pedestal and chamber and directed out via the flexible air hose to the external plastic vent pipe. A moisture trap is provided at the base of the vent pipe and a rain cap is fitted on the vent pipe just above the top of the roof.

The Nature Loo Classic 650 system shall be supplied with a sufficient number of composting chambers according to the following table:

| Model | number of chambers | Residential use |
|---------------|--------------------|--|
| Classic 650-2 | 2 | 1 adults full time; 2 adults part time |
| Classic 650-4 | 3 | 1 adult and 1 child full time, or 3 – 4 adults part time vacation/weekend use |

Schedule 2: Conditions of Accreditation

1 General

1. For each installation the owner/occupier of the premises shall make an application to the local council to install a Nature Loo Classic 650 composting toilet system as a waste management facility in accordance with Section 68, Part C of the Local Government Act 1993 and Clause 26 of the Local Government (General) Regulation 2005.
2. For each installation the application to the local council shall include:
 - 2.1 Plans and specifications of the Nature Loo Classic 650 composting toilet system;
 - 2.2 A site plan drawn to scale showing the location and type of the proposed sullage disposal system for the premises and state the method of disposal;
 - 2.3 A statement detailing the proposed method of disposal of the composted end product, the frequency of such disposal and the estimated volume of composted end product to be removed;
 - 2.4 A statement on whether the composting system is likely to produce a liquid component and how it is proposed to dispose of the liquid. The statement shall be supported by detailed plans of any necessary liquid disposal system.
3. Installation of the Nature Loo Classic 650 composting toilet system is restricted to the number of persons occupying the domestic premises as set out in the table attached to Schedule 1 and where in the opinion

of the local council the Nature Loo Classic 650 composting toilet system will be capable of providing satisfactory toilet accommodation.

4. A permanent notice with basic instructions shall be affixed to the unit in a prominent position. The permanent notice shall include provision for recording the date the last time humus material was removed from the composting chamber.
5. The composted end product shall be retained in the compost chamber for a minimum period of 5 months after the chamber has been removed from the in-service position and placed in the out-of-service position. The total composting period from the start to fill the chamber until the chamber is emptied shall be not less than 10 months.
6. The manufacturer shall supply with each system a comprehensive manual with details of the maintenance procedures necessary to ensure the efficient and safe operation of the system.
7. The Nature Loo Classic 650 composting toilet system shall be installed and operated in accordance with the manufacturer's instructions and any conditions imposed by the local council.
8. All sullage water shall be disposed of by means of a disposal system designed to the satisfaction of the local council.

2 Installation and Commissioning

1. The Local Authority should require that on completion of the installation of the Nature Loo Classic 650 composting toilet 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 Authority.
2. The Local Authority should require that all electrical work, where necessary, must be carried out by a licensed electrician and in accordance with the relevant provisions of AS/NZS 3000.

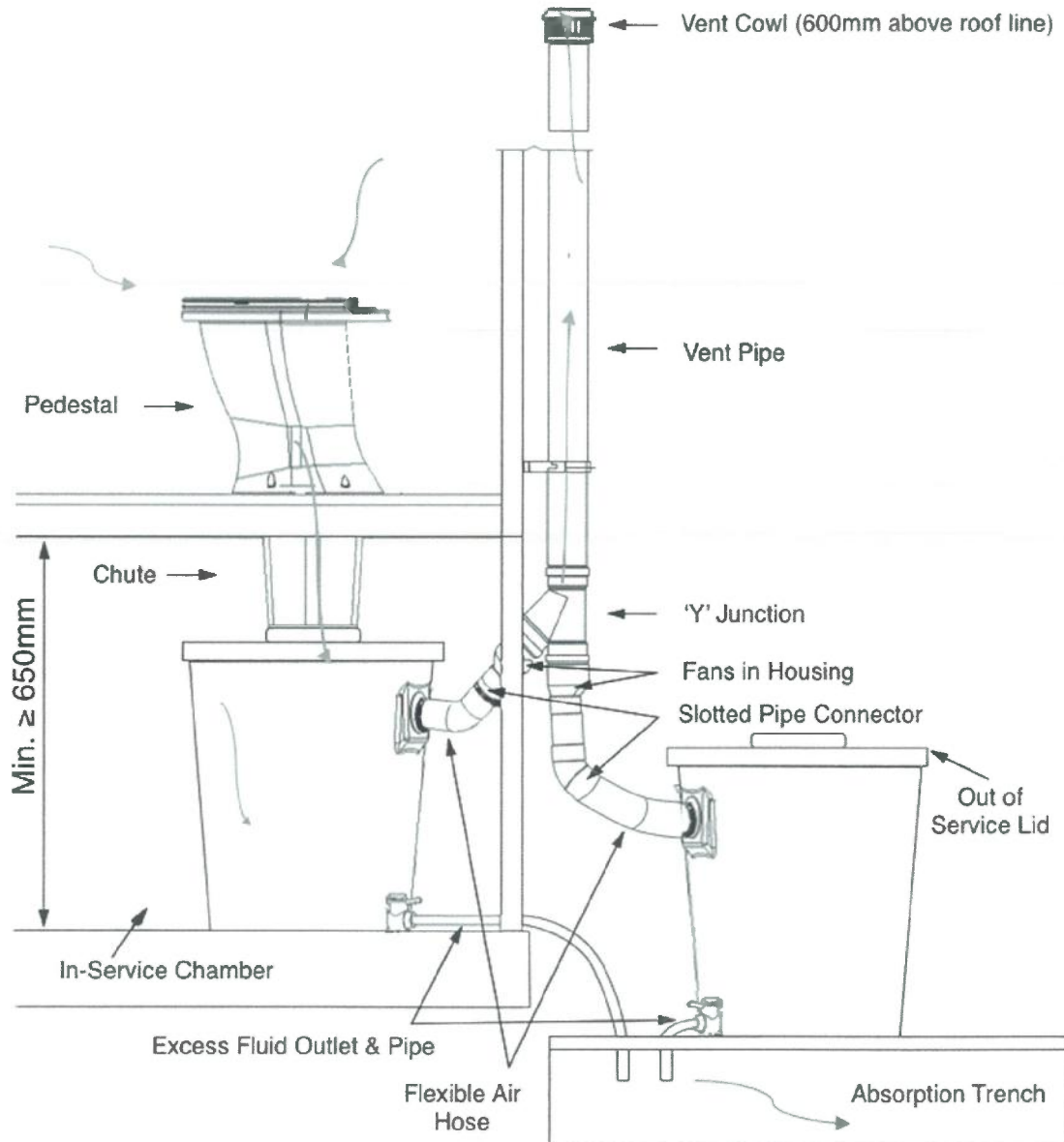
3 Maintenance

1. Material, which has been only partially composted, may only be removed from the Nature Loo Classic 650 composting toilet system with the written consent of the local authority. The local council may issue instructions as to who may remove the humus and the method of disposal of the humus.
2. Unless otherwise directed by either the Local Authority or the NSW Ministry of Health, the composted end product is to be disposed of by burial within the confines of the premises in soil, which is not intended to be used for the cultivation of food for human consumption. The minimum cover of soil over the deposited humus must be 100 mm.
3. Alternatively the composted end product may be retained for an additional period of three months in a lidded compost bin. At the completion the humus may be used as a soil conditioner without any further treatment.

4 On-going Management

1. The owner's manual prepared by the manufacturer shall contain a plan for the on-going management of the Nature Loo Classic 650 composting toilet system. The plan shall include details of:
 - The composting process,
 - Procedures to be followed in the event of a system failure,
 - Emergency contact numbers,
 - Maintenance requirements,
 - Inspection and sampling procedures to be followed as part of an on-going monitoring program developed by the local authority

CLASSIC 650 SCHEMATICS



APPROVED
19 DEC 2017
NSW MINISTRY OF HEALTH