

Northern Territory Product Approval Onsite Wastewater Management System

**Suncoast Waste Water Management
Neatport Pty Ltd
Ozzi Kleen RP10
Secondary treatment system**

1 Approval details

1.1 Approval holder and system manufacturer

Company			
Name	Suncoast Waste Water Management, Neatport Pty Ltd		
Street address	59 Industrial Ave, Kunda Park QLD 4556		
ACN	68063 770 534		
ABN	62063 770 534		
Contacts			
Name	Jason Vanderhor	Position	General Manager
Phone	0488 450 704	Email	jason.vanderhor@ozzikleen.com
Website	https://www.ozzikleen.com.au		

1.2 Approval number and expiry

Approval No.	PROD2020/024
HPRM File No.	EFILE2020/02756
Approval Date	16 January 2020
Expiry Date	31 December 2021 or the date of JAS-ANZ accredited certification of the system to AS 1546.3.2017, whichever comes sooner.

1.3 Issuing authority

Agency	Department of Health (DoH)
Address	PO Box 40596, Casuarina NT 0811
Phone	(08) 8922 7152
Email	envirohealth@nt.gov.au
Website	www.nt.gov.au (wastewater management)

1.4 Issuing authority's approval*

Approved	
Peter Rogers	
Principal Policy Officer, Public Health Directorate	
Public Health and Clinical Excellence Division	
Department of Health	

* This approval is issued under 'Division 4 - Product approval for on-site wastewater system' of the Public and Environmental Health Regulations.

1.5 Regulatory authority

#1 The regulatory authority is the Northern Territory Government Agency that has responsibility for the legislation applicable to an individual onsite wastewater management system installation. The applicable legislation for wastewater installations in the Northern Territory is the:

- *Building Act* and Building Regulations administered by Department of Infrastructure, Planning and Logistics – Building Advisory Services (DIPL); and
- *Public and Environmental Health Act* and Public and Environmental Health Regulations administered by the Department of Health (DoH).

2 System detail

2.1 System description

The system is contained in a single, cylindrical vertical axis, polyethylene collection well with an operating design capacity of 4,150 litres and an emergency storage volume of 1,000 litres. The system has a design capacity of 10 EP, with a maximum hydraulic load of 2,000 litres/day and BOD₅ loading of 700 grams/day. The operational water level in the system is 1,600 mm. The system comprises:

- A stilling well within the aeration/sedimentation chamber that prevents the incoming wastewater from disturbing the still water conditions required for settling and decanting.
- An aerated/sedimentation chamber with a capacity of 4,150 litres where the treatment of the wastewater occurs through a programmable cycle of three intermittent phases.
- An aeration phase when an aerobic environment is provided for microorganisms to feed and grow on the organic waste and establish an 'activated sludge'.
 - A settling phase when still conditions allow for settlement of the activated sludge to the bottom of the tank, leaving a layer of clear water at the top.
 - A decanting phase when still conditions are maintained but clear, treated water is drawn from near the surface of the tank for delivery to the chlorinator, basket strainer and the chlorine contact tank.
 - A combined 350 litre chlorine contact chamber/irrigation pump chamber with a capacity of 300 litres for chlorine contact of the effluent. Flow to the chamber is from the main tank through a chlorinator and basket strainer.
- A 350 litre waste sludge storage chamber that allows for settling and thickening of sludge for a period in excess of 6 months before the need to pump out and dispose of the sludge.

- Air is supplied to the aeration chamber by a Reitschle Thomas LP80HN air blower with an output of 77 litres/minute. Air from the blower is also used to operate the decanter and to deliver waste to the sludge storage chamber.
- A Reeve RVS300 submersible pump with level control and output 220 litres/minute at 5 metres head, supplies treated effluent for irrigation.

2.2 Product approval documentation

The following documents are referenced as part of this product approval:

Document	Document date
Cover letter - Application for renewal of accreditation of an on-site waste water management system – Ozzi Kleen Model AWTS	13/01/2020
Application for a variation of a product approval of an on-site wastewater system	13/01/2020
Receiver of Territory Monies - Receipt No. 6812350149	13/01/2020
RP10 Electrical specification sheets	
Ozzi Kleen AWTS RP10 – System details – Drg No. GD-RP10-H10.A	26/06/2008
Ozzi Kleen RP10 Package STP – System diagram – Drg No. GD-RP10-H10.D	02/09/2013
SAI Global – Certificate of registration – Quality management system – Certificate No. QMS40341	Expires 07//05/2021
SAI Global – Standardsmark licence – AS/NZS 1546.1.2008 – On-site domestic wastewater treatment units – Septic tanks – Certificate No. SMKB20032	Expires 23/09/2023
SAI Global – Standardsmark licence – AS/NZS 1546.3.2008 – On-site domestic wastewater treatment units – Secondary treatment systems – Certificate No. SMKB02608	Expires 14/08/2021
Jurisdictional certificates for RP10	
Ozzi Kleen manufacturer’s warranty	08/12/2010
Ozzi Kleen owner’s manual – Rev J LR_09 12 10	09/12/2010
Installation manual - Ozzi Kleen sewage treatment system – Models: RP10 & RP10A	11/04/2014
Ozzi Kleen maintenance agreement	22/01/2014
Ozzi Kleen test report	22/01/2014

3 Installation, Operation and Maintenance

- #2 The system must be installed by a licensed plumber in accordance with the *Building Act* and Regulations (within [Building Control Areas](#)) and the *Public Health and Environmental Health Act* and Regulations (outside Building Control Areas).
- #3 The installation of each system shall comply with the approval holder's installation instructions and shall comply with design, installation and management requirements of the Code of Practice for On-site Wastewater Management.
- #4 All electrical work must be carried out by a licensed electrician and in accordance with the relevant provisions of AS/NZS 3000.
- #5 Officers from DoH and DIPL reserve the right to inspect installations and also to assess installation and their performance.
- #6 The system is not to be installed in remote aboriginal communities unless there is prior discussion with DoH.
- #7 Commercial applications for the system will be dealt with on an individual basis and require a DoH Wastewater Works Design Approval.
- #8 NT Distributors of the system shall:
 - ensure that the purchaser is provided with an owner's manual; and
 - maintain a list of installed systems that includes details of system type, date sold, owner's name, owner's address, owner's contact details, installer's name, installer's contact details, service dates and service agent.
- #9 The system should be serviced at the intervals in accordance with the details set out in the owner's manual. Records are to be kept of all maintenance of the system and are to be maintained onsite.
- #10 The land application system is required to be installed prior to the use and commissioning of the system.

4 General conditions

- #11 The approval holder is responsible for ensuring compliance with conditions of this approval.
- #12 This product approval is not transferable without the prior approval of the issuing authority.
- #13 If any modifications are proposed for the system that alters its design, as outlined in the design documentation referenced in this product approval, the approval holder is required to advise the issuing authority in writing and apply for an application to vary this product approval.
- #14 If at any time it is determined by the issuing authority that it cannot be demonstrated that the conditions of this approval are being maintained the

issuing authority may provide direction to the approval holder to undertake actions to comply.

- #15 Direction under the previous clause of this product approval may include modifying current conditions, additional conditions or suspending or cancelling this product approval.