



CHIEF EXECUTIVE APPROVAL 03/2016
Plumbing and Drainage Act 2002, part 5.

Approval

1. The **OzziKleen RP10 A** ("the system") described in the Specifications and Drawings in the attached Schedule and manufactured by **Suncoast Waste Water Management** ("the manufacturer") (ABN 62 063 770 534) has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 15 January 2013.
2. Approval is granted for an advanced secondary quality wastewater treatment system, subject to compliance by the manufacturer with the requirements of the *Plumbing and Drainage Act 2002*, part 5 and the conditions of approval detailed below.
3. This approval, the conditions of approval and the Schedule comprise the entire Chief Executive Approval document.
4. Any modification by the manufacturer to the design, drawings or specifications scheduled to this approval must be approved by the Chief Executive.

Conditions of approval

5. The manufacture, installation, operation, service and maintenance of the systems must be in conformity with the conditions of this Chief Executive Approval.
6. The advanced secondary quality wastewater treatment system may only be used on premises that generate per day:
 - (a) a maximum hydraulic loading of 2,000 litres/day; and
 - (b) a maximum organic loading of 700 grams/day BOD₅
7. For the system to meet the requirements of an advanced secondary quality wastewater treatment system, the system must produce the following effluent quality —
 - (a) 90% of the samples taken must have a BOD₅ less than or equal 10g/m³ with no sample greater than 20g/m³; and
 - (b) 90% of the samples taken must have total suspended solids less than or equal 10g/m³ with no sample greater than 20g/m³; and
 - (c) 90% of the samples taken must have thermotolerant coliform count not exceeding 10 organisms per 100 mL with no sample exceeding 200 organisms per 100mL.
 - (d) Where chlorination is the disinfections process, the total chlorine concentration shall be greater than or equal to 0.5gm³ and less than 2.0g/m³ in four out of five samples taken.
8. Each system must be serviced in accordance with the manufacturers details supplied in the owner's service and maintenance manuals.
9. Each system must be supplied with —
 - (a) a copy of this Chief Executive Approval document;
 - (b) details of the system and ancillary equipment;
 - (c) instructions for authorised persons for its installation;



12/4/16

- (d) a copy of the owner's manual to be given to the owner at the time of installation; and
 - (e) detailed instructions for authorised service personal for its operation and maintenance.
10. This approval does not extend, apply to, or include the land application system used in conjunction with an approved system installed on premises.
 11. At each anniversary of the Chief Executive Approval date, the supplier must submit to the Chief Executive a list of all systems installed in Queensland during the previous 12 months.
 12. Where the Chief Executive is notified of any system failures the Chief Executive may randomly select a number of installed systems for audit. The Chief Executive will notify the National Association of Testing Agencies (NATA) accredited laboratory nominated by the supplier, which systems are to be audited for Biochemical Oxygen Demand (BOD₅) and Total Suspended Solids (TSS). The sampling and testing of the selected systems, if required, is to be done at the supplier's expense. The following results must be reported to the Chief Executive;
 - (a) Address of premises.
 - (b) Date inspected and sampled.
 - (c) Sample identification number.
 - (d) Biochemical Oxygen Demand (BOD₅).
 - (e) Total Suspended Solids (TSS).
 13. The Chief Executive may, by written notice, cancel this approval if the manufacturer fails — to comply with one or more of the conditions of approval; or within 30 days, to remedy a breach, for which a written notice been given by the Chief Executive.
 14. This approval may only be assigned with the prior written consent of the Chief Executive.
 15. This approval expires on 15 April 2021 unless cancelled earlier in accordance with paragraph 13 above.



Lindsay Walker
Director
Strategic Policy (Plumbing, Drainage, Committees and Special Projects)

Date approved: 12 April 2016

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CHIEF EXECUTIVE APPROVAL No. 03/2016
Plumbing and Drainage Act 2002, part 5, division 1, section 93

SCHEDULE

Attachment 1

Specifications for the

OzziKleen RP10 A

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Department of Local Government and Planning
Chief Executive Approval
Approval No: 3/16
Date of Issue: 2/4/16
Delegate Signature: [Signature]
Building Codes Qld

SPECIFICATIONS

| Parameter | Raw Wastewater Characteristics |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Wastewater treatment capacity | 10 persons EP at 200 l/person/day |
| Maximum hydraulic load | 2,000 l/day |
| Biological Oxygen Demand (BOD ₅) | 350 mg/litre or 70 g/day/person |
| Total Suspended Solids (TSS) | 350 mg/litre or 70 g/day/person |
| Fats, Oils and Grease (FOG) | 75 mg/litre. For restaurant applications, a grease trap must be fitted upstream of the treatment plant to remove grease and oils. |
| pH | 6<pH<10 |
| Wastewater temperature range | 10°C to 38°C |

Treatment Plant Construction:

Tank and components Polyethylene (MDPE)
All Pipe work PVC

Electrical Equipment:

Air Blower LP80HN
Effluent Pump Submersible
Controls Electronic (OK1 Control Board)

Alarm System:

Alarm System 24VDC Audio/Visual
Alarm signal Indicator lights for High Water
Power & Blower

Aeration Tank:

Operating Volume 4.1m³
Aeration tank volume 5.3 m³
Residence time 46 hr
Buffer Zone 1m³ (approx.)

Disinfection equipment:

Chlorinator Type Tablet Dispenser Cassette
Chlorine min contact time (max flow) 30 min

Motor Box:

Equipment Contained Air Blower, Control Board,
Decanter Solenoid Valve equipment

Effluent Pump (standard):

Effluent pump duty 100 litres/min @ 8 m head
Pump Mounting Suspended on discharge pipe

Optional Equipment

Rapid Sand Filtration Equipment:

Flow rate (max) 250 litre/min

Nutrient Reduction Equipment:

Process control Electronic
Phosphate reduction process Chemical dosing / Sludge wasting

Sock Filters

Lifting/Pump Stations

Other Customization available

120/210/Other Microns
SLS250, PT500, other sizes available
Please enquire

Irrigation Equipment: Basic irrigation equipment is supplied with the treatment plant. The irrigation system could be of several different formats. Check with Local Authority requirements.

Document No: P002
Revision: N
Revision Date: 03/04/2012

CHIEF EXECUTIVE APPROVAL No. 03/2016
Plumbing and Drainage Act 2002, part 5, division 1, section 93

SCHEDULE

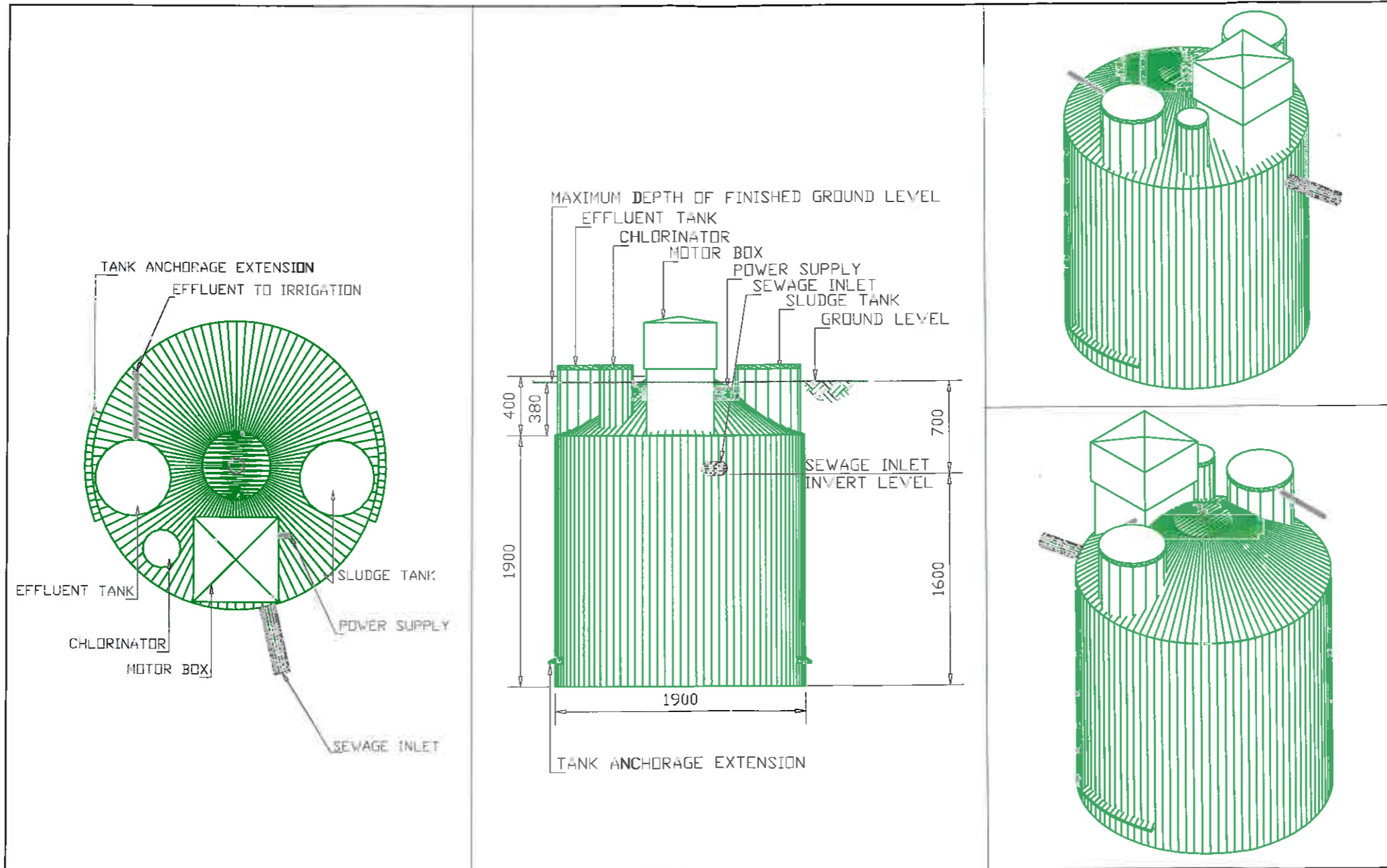
Attachment 2

Drawings for the

OzziKleen RP10 A



Department of Local Government and Planning
Chief Executive Approval
 Approval No: 3/16
 Date of Issue: 12/14/16
 Delegate Signature: [Signature]
 Building Codes Qld



| DATE | DESCRIPTION | REV. | BY |
|----------|------------------|------|----|
| 20/06/08 | GENERAL REVISION | 1 | DC |



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|---------|-----------------------|--------|----------|
| CLIENT | GENERAL | DESIGN | DC |
| PROJECT | OZZI KLEEN AWTS RP10A | DR:WN | DC |
| TITLE | SYSTEM DETAILS | CHKD | HC |
| DWG NO. | GD-RP10A-H10.A | DATE | 25/06/08 |
| | | SCALE | NTS |