

Our Ref: SD 18  
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Department of  
Infrastructure and Planning

02 June 2008

Steve Fowles  
Earthsafe Environmental Pty Ltd  
P.O. Box 605  
Wyong NSW 2259

Dear Steve Fowles

**RE: Application for Chief Executive Approval – Earthsafe Environmental Model ES 10PC**


I refer to your application for Chief Executive Approval for the **Earthsafe Environmental Model ES 10PC**.

As advised, the application has been approved, and Chief Executive Approval 14/2008 was granted on 15 May 2008. The approval remains in force until 28 May 2013. You will be sent a letter prior to this date asking whether you wish to renew the approval.

A copy of the Chief Executive Approval is **enclosed**. Furthermore, the approval will also be placed on our website at [www.infrastructure.qld.gov.au](http://www.infrastructure.qld.gov.au)

Should you require any further assistance, please do not hesitate to contact me on (07) 3227 1706.

Yours sincerely



Tom Walton  
Advisor Plumbing  
Building Codes Queensland  
Sustainable Planning  
Department of Infrastructure and Planning

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ABN 61 331 950 314

ABN 25 166 523 889



**CHIEF EXECUTIVE APPROVAL No. 13/08**  
*Plumbing and Drainage Act 2002, part 5, division 1, section 93*

**Approval**

1. The **Earthsafe Environmental Model ES 10PC** ("the system") described in the Specifications and Drawings in the attached Schedule and manufactured by **Earthsafe Environmental Pty Ltd** (ABN: 93 115 940 700) ("the manufacturer") has been assessed in accordance with the Queensland Plumbing and Wastewater Code dated 23 November 2007.
2. Approval is granted for the system subject to compliance by the manufacturer with the requirements of the *Plumbing and Drainage Act 2002*, part 5, division 1, section 91 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 chief executive approval must be approved by the chief executive.

Glen Brumby  
**Director**  
**Building Codes Queensland**

Date approved: 29 May 2008

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## Conditions of approval

1. The manufacture, installation, operation, service and maintenance of the systems must be in conformity with the conditions of this chief executive approval.
2. A system, which is an example of the approved systems, may only be used on premises that generate per day —
  - (a) a maximum hydraulic loading of 1,500 litres; and
  - (b) a maximum organic loading of 700 grams BOD5.
3. An approved system, when installed on premises, must continue producing effluent that meets the following standard—
  - (a) Biochemical Oxygen Demand – less than or equal to 20 g/m<sup>3</sup> with no sample greater than 30 g/m<sup>3</sup>;
  - (b) Suspended Solids – less than or equal to 30 g/m<sup>3</sup> with no sample greater than 45 g/ m<sup>3</sup>;
  - (c) Thermotolerant Coliforms – not exceeding 200 Organisms/100ml with no sample exceeding 1000 Organisms / 100ml; and
  - (d) Free Residual Chlorine >0.5mg/L and < 2.0 mg/L in 4 out of 5 samples.
4. Each system must be supplied with—
  - (a) a copy of this chief executive approval document;
  - (b) details of the system;
  - (c) instructions for authorised persons for its installation;
  - (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 personnel for its operation and maintenance.
5. Each system must be serviced at three (3) month intervals in accordance with the details supplied in the owner's service and maintenance manuals.

Glen Brumby  
**Director**  
**Building Codes Queensland**

Date approved: 29 May 2008



# Queensland Government

Department of Infrastructure and Planning

6. This approval does not extend, apply to, or include the land application system used in conjunction with an approved system installed on premises.
7. This approval may only be assigned with the prior written consent of the chief executive.
8. The chief executive may, by written notice, cancel this approval if the manufacturer fails—
  - (a) to comply with one or more of the conditions of approval; or
  - (b) within 30 days, to remedy a breach, for which a written notice been given by the chief executive.
9. This approval expires on 28 May 2013 unless cancelled earlier in accordance with paragraph 8 above.

Glen Brumby  
Director  
Building Codes Queensland

Date approved: 29 May 2008

## SCHEDULE

**Attachment 1:** Specifications

**Attachment 2:** Drawings