Tasmania

Certificate of Interim Accreditation

Plumbing and Drainage Systems
Tasmanian Plumbing Code

Applicant: **Jorgensen Plumbing & Solar Heating Pty Ltd**
P.O. Box 659
Bendigo Vic 3552

Product: **AT63TAS Aerobic Waste Water Treatment System**

The above identified system is granted interim accreditation to enable the installation and testing of the system at up to 3 sites to facilitate verification of its compliance with the performance requirements of Parts B2 and C2 of the Tasmanian Plumbing Code.

This interim accreditation is subject to the following conditions:

1. The testing site or sites being representative of the climatic circumstance expected to be encountered in the deployment of the system in Tasmania.
2. The system or systems installed for testing being supplied, constructed and installed strictly in accordance with the design and specifications detailed in the accreditation application.
3. Effluent from the system being disposed of in accordance with contemporary relevant regulatory requirements to the satisfaction of the relevant environmental health officer.
4. The system undergoing a minimum of six months' testing under the supervision of a consenting Council, with the test period including a three month full operational period during the winter months.
5. The manufacturer supplying the owner/occupier of the testing site with a comprehensive manual, setting out the care, operation and maintenance requirements of the system, including procedures to be followed in the event of a system malfunction.
6. The system not being installed in a plumbing installation other than in accordance with the conditions of a Special Connection Permit issued under the Plumbing Regulations 1994 by the relevant Council. The conditions of the Special Connection Permit shall include the following requirements:
    - The system is to comply with the Guidelines for the installation and operation of aerobic waste water treatment systems, as published by the former Tasmanian Department of Health.
    - The owner of the system must enter into and maintain a maintenance contract with the Council, the manufacturer of the system, or other Council approved person.

- The owner must enter into an agreement with the Council to maintain the above identified maintenance contract where that contract is with the manufacturer of the system or other Council approved person.
- The owner must enter into an agreement with the Council to the effect that the test system shall be removed and replaced with an accredited system should the test system fail to be awarded accreditation upon completion of testing.

7. The effluent from the system being tested monthly for 5-day biochemical oxygen demand, suspended solids, thermotolerant coliforms and free residual chlorine, with the sampling and analysis being carried out in accordance with the following:
    - On each testing occasion, two samples shall be collected over a minimum interval of 30 minutes for each effluent quality criterion. The free residual chlorine samples shall be collected at the first irrigation outlet after a minimum 30 minute disinfection contact time.
    - The sampling and analysis methodology shall be consistent with that set out in the 19th Edition of *Standard Methods for the Examination of Water and Waste Water*, as published by the American Public Health Association.
    - Analysis for the five-day biochemical oxygen demand, suspended solids and thermotolerant coliforms shall be undertaken by a NATA registered laboratory.
    - Field analysis for free residual chlorine shall be undertaken using the *N,N*-Diethyl-*p*-Phenylenediamine (DPD) Colorimetric Method or equivalent.
8. The supervising Council reporting to the Department of Infrastructure, Energy and Resources upon the completion of testing in respect of the compliance of the effluent samples with the following criteria:
    - 90% of the samples having a five-day biochemical oxygen demand less than or equal to 20 mg/L with no sample greater than 30 mg/L;
    - 90% of the samples having total suspended solids less than or equal to 30 mg/L with no sample greater than 45 mg/L;
    - The samples having a thermotolerant coliform count not exceeding a median value of 10 organisms per 100mL and a geometric mean value of 25 organisms per 100mL; and
    - The free residual chlorine having a concentration greater than or equal to 0.5 mg/L in four out of five samples.

This Certificate of Interim Accreditation shall be without effect except where a Council has advised in writing to the Department of Infrastructure, Energy and Resources its agreement to the supervision of a test of the above system at an identified test site, and the reporting of the results of that testing to the Department of Infrastructure, Energy and Resources. This Certificate of Interim Accreditation shall become void should the applicant fail to meet the conditions specified above.

Paul Lennon
Minister for Infrastructure, Energy and Resources

Date: 30 April 2000