

30 May 2016

richard.frizzell@ncc.govt.nz  
www.nelson.govt.nz

Wynn Owen  
Escea Limited  
17 Camforth Street  
Green Island  
Dunedin 9018

Dear Wynn

### **AUTHORISATION OF SPARTHERM VARIA A-FDH-P8**

Please be advised that the Spartherm Varia A-FDH-P8 wood burner has been approved for installation in the Nelson Urban Area. The approval number is N0046 and it will appear on the Council's authorised solid fuel burner list as follows:

<b>Appliance</b>	<b>Type</b>	<b>Fuel</b>	<b>Wet Back</b>	<b>P.E.F (g/kg)</b>	<b>S.H.E.</b>	<b>Auth#</b>
Spartherm Varia A-FDH-P8	IB	Dry wood	No	1.41	65.6%	N0046

IB - inbuilt PEF – particulate emission factor. SHE – space heating efficiency

#### **The following conditions of approval apply:**

1. Only wood fuel that has not been treated with chemicals and has a moisture content of less than 25 percent by weight shall be used.
2. There shall be no heat re-circulating fan or wetback fitted to the appliance.
3. A permanent label shall be attached to the appliance in a position that is readily visible after installation. The label shall contain the following information: authorisation number, the approved fuel, the average percentage efficiency of the appliance and the measured particulate emission rate in g/kg (as stated in the table above), the statement "performance may vary from test values depending on actual operating conditions", the range of heat output in kilowatts, a space to allow the installer to place the date of installation, and the manufacturer of the appliance.
4. A permanent label shall be fitted showing:
  - the maximum fuel loading line in the firebox; and
  - which setting of the control lever of the damper should be selected to Refuel or Run the appliance.

5. Approval applies only to the specific model described in the testing report, documents and drawings accompanying the application for approval.
6. Nelson City Council will monitor examples of production models of the appliance to verify that they match the specifications of any test appliance and relevant test reports and technical drawings, and that labelling is fitted to its satisfaction. This will be done within 12 months of this authorisation, with the possibility of further monitoring in future years.

In addition to the above, the 'standard conditions' listed on Nelson City Council's website apply to all wood burner installations.

An invoice to cover the cost of processing this application will be sent to you. Please contact me on 03-546 0423 if you have any questions.

Yours sincerely

A handwritten signature in black ink, appearing to read 'R Frizzell', written in a cursive style.

**Richard Frizzell**  
Environmental Programmes Adviser