



Wood burning fire approved for residential homes in the Clear Air Zone 1 -Christchurch

For immediate release

16 March 2015

By Dr Rene Haerberli

EnviroSolve New Zealand has received Resource Consent from Environment Canterbury for the bionic fire. This means that Christchurch, Rangiora and Kaiapoi residents can enjoy the pleasures of a wood burning fire again in their homes.

This is the second wood burning fire in New Zealand that meets the criteria for an ultra-low emission wood burner under the Canterbury Air Plan. EnviroSolve Bionic Fire will be able to be installed into existing homes across Canterbury and will provide home owners with more choice.

Dr Rene Haerberli, Director of EnviroSolve, said: "It was long extensive process to the Danish fire to meet the strict Clean Air Zone 1 regulations in Christchurch, but with the support of the Danish manufacturing who was willing to make modifications to their design to bring the emission levels down to 0.49 grams of particulate per kilogram of fuel burned, I am pleased that after 18 months consent has been given."

The Danish manufacturer of the bionic fire is the first fully mechanical automatic Ultra Low Emission Burner (ULEB) to be approved in New Zealand and its secret is in the new log burning technology. The fire uses a batch-fed downdraft burner with two combustion chambers. The upper operates the same as a traditional wood fire while the secondary chamber burns off the flue gas from the wood. The down draft mode will be automatically switched on. This down draft mode is the secret to very low emissions and its efficiency as it only uses 1kg of wood per hour.

Not only did the Danish manufacturer create a very environmental friendly log burner, the Danish design is very contemporary and looks like a piece of art, it also sets a new standard in green modern living. The Scandinavian design will make it look like a piece of furniture into any modern, architecturally designed home. It also gives the home owner and architects new design opportunities because the fire can come with an optional 360 degrees swivel which allows the fire to be centrally located rather than the traditional wall location of a wood burning fire.

New Zealand's first Bionic Fire can be viewed at the Christchurch Rebuild Show on 20-22 March 2015.

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