

Current Air Standard

- Includes all natural sources in the limit
- Excludes consideration of motor vehicles, especially diesels
- Permits 1 exceedence/yr only
- Treats all particulates as equally harmful
- Has been formulated in isolation. No consideration of other possibly conflicting needs (the right to be warm, health effects from a cold damp environment, sustainability).

NZS 4012 / 13

- Applicable only to log burners as they are currently understood.
- Very prescriptive
- Interpreted rigidly by Councils
- Bear little resemblance to real life operation
- Both protect current manufacturers from competition and kill innovation

What do we need??

- An air quality standard that has more sensible limits and exceedences
- A test regime that is consistent across fuels and a wide range of appliance types and sizes
- If a device can pass the tests, it is approved for installation with no further consents necessary.
- A balanced view between clean air, affordable heating, sustainability, environmental responsibility
- An internationally consistent standard
- A range of affordable heating solutions across single room, central heating, domestic, small commercial, lumpwood, chip, pellets, coal, our indigenous and mostly renewable fuels.

Currently Approved Log Burners

- In ChCh are supposed to achieve emissions of no more than 1g/kg of fuel burned.
- In reality their performance has been measured variously between 3 and 50 times this value
- This "failure" of the testing standards to reflect reality has been known and ignored for a very long time.

Proposed Canterbury Method

- Written around what is currently understood to be a log burner
- Written by non-engineers (Why??)
- Inapplicable to any other device or fuel

Ecan

- Has obstructed progress for a long time by insisting on rigid adherence to NZS's 4012/13
- Very secretive. Work to develop and analyse standards go to "friends" rather than those most competent.
- View their role as enforcers of Government directives.
- Refuse to go back to Government and say "No-you are wrong".
- See no role in leading and developing thinking or innovation – not their responsibility
- Encourage electricity, oil & gas as clean air fuels

**Air Quality
The Current Maze**