

***Wood-Chip Fired Furnaces Testing Project
Air Emissions Testing & Public Health Impacts Analysis***

April 1996

The report is an assessment of two wood-chip fired furnaces in Vermont. The objectives of this program were to provide representative air pollutant emissions data on small scale commercial wood-chip fired heating systems and to evaluate associated health risks, if any. In the first phase, emissions data were obtained by testing two boilers located in Vermont in the size range of 0.5 million BTU per hour (MMBtu/hr) to 3.0 MMBtu/hr heat input. In the second phase, the Vermont Department of Health performed a preliminary screening assessment of the potential health risk impacts based on the results of the emissions testing. For comparative purposes, screening risk assessments were also performed for similarly sized oil-fired furnaces using site-specific parameters and assumptions.