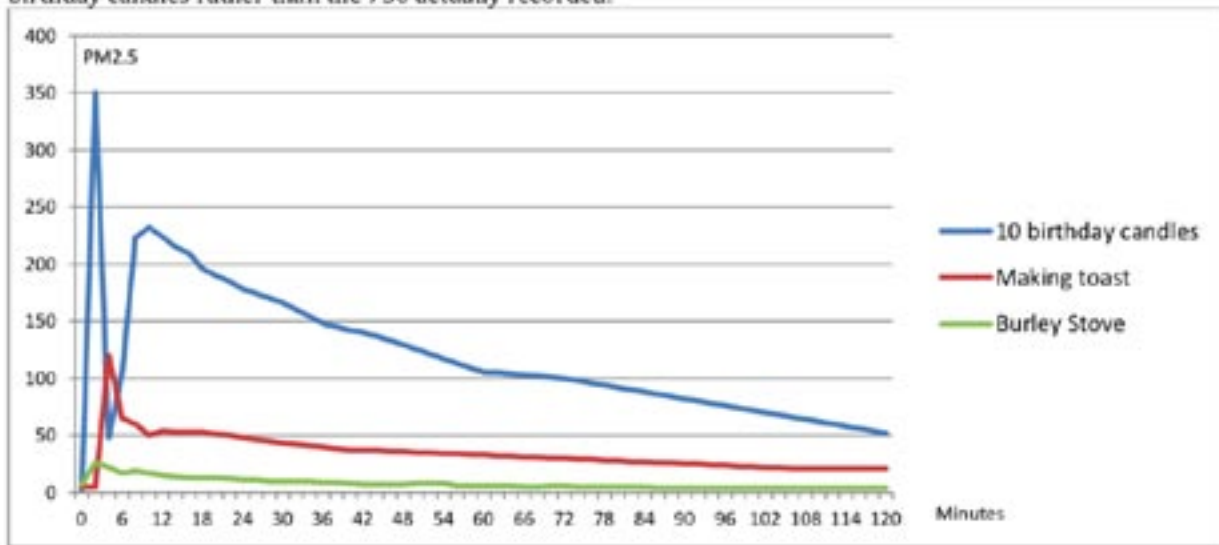


Graph of Domestic Indoor PM2.5 Levels Comparing Burley stove, birthday candles and making toast

Note – in order to maintain a readable scale on the graph, a PM2.5 level of 350 was entered for the birthday candles rather than the 730 actually recorded.



Summary of tests

When removing other contributing factors, the correct use of the stove over a two hour period had very little effect on the level of PM2.5, approximately the same as lighting one candle with a match and blowing it out again. Making toast in a kitchen created a level of PM2.5's 7.8 times higher than using a wood burning stove, and lighting 10 candles on a birthday cake and blowing them out created a level 29.5 times higher. All tests were carried out for 120 minutes, at the end of this period however the level of PM2.5 from making toast and the ten birthday candles were still well in excess of ambient, 10 times greater in the case of the candles and still double the safe WHO limit.