

COMMITTEE ON THE MEDICAL EFFECTS OF AIR POLLUTANTS

**USE OF SUBSTITUTE FUELS IN CEMENT KILNS (MEAT AND BONE MEAL;
PROCESSED SEWAGE PELLETS AND REFUSE DERIVED FUELS)**

1. The attached paper seeks COMEAP's advice on the use of meat and bone meal (MBM); processed sewage pellets (PSP) and refuse derived fuels (RDF) as substitute fuels in cement kilns. Background information on cement kilns, on waste derived fuels and COMEAP's previous assessment of substitute fuels for cement kilns is provided.
2. Emissions data from trial burns of these fuels are provided at Appendices 4-7. Some specific points relating to these trials are given in Appendix 8 and an overall assessment of the specification data is given in Appendix 3.
3. COMEAP is asked:
 - Is the information on the specifications for PSP, MBM and RDF and the emissions data from the trial burns sufficient to allow the Committee to draw the same conclusions as in their last statement? (The last statement concluded that the use of some other waste derived fuels (Substitute Liquid Fuel and used tyres) in the way defined in the protocol was unlikely to cause an increased risk to health.)
 - If so, can these conclusions be extended to combinations of these waste fuels in addition to those described in Appendices 4-7 without further referral to COMEAP?
 - If not, is there further information needed by the Committee to allow a conclusion to be drawn?
4. COMEAP's advice will be used to assist the Health Protection Agency in advising the Environment Agency as to whether these new fuels can be used in cement kilns on an ongoing basis.

**Secretariat
February 2008**