

Air Quality Aspects of the Buncefield Oil Depot Explosion – 11 December 2005

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Background

- Sunday 11th December 2005 at 06.03
- Large stocks of refined petroleum products remained on fire until Thursday 15th December
- Physical damage due to initial explosion
- Large plume of smoke visible for miles at ground levels and on satellite images

Air Quality Report

- Published May 9th alongside the 3rd HSE report and a brief summary of health outcomes from HPA
- Available from www.airquality.co.uk
- Externally reviewed
- Will be considered by COMEAP at mtg in June
- One of the series of 'ad-hoc' episode reports on the Forecasting contract
- Originally intended to provide a comprehensive review of observations from the AURN and other networked data, together with the locally targeted measurements

Air Quality Report

- Contents of the report:
 - Timeline of activities
 - Estimate of emissions from fire
 - National and Regional network observations
 - NAME modelling the Met Office
 - Met Office/NERC research flight observations
 - HPA observations during the event