

## H-CC 6-11a Environmental impact

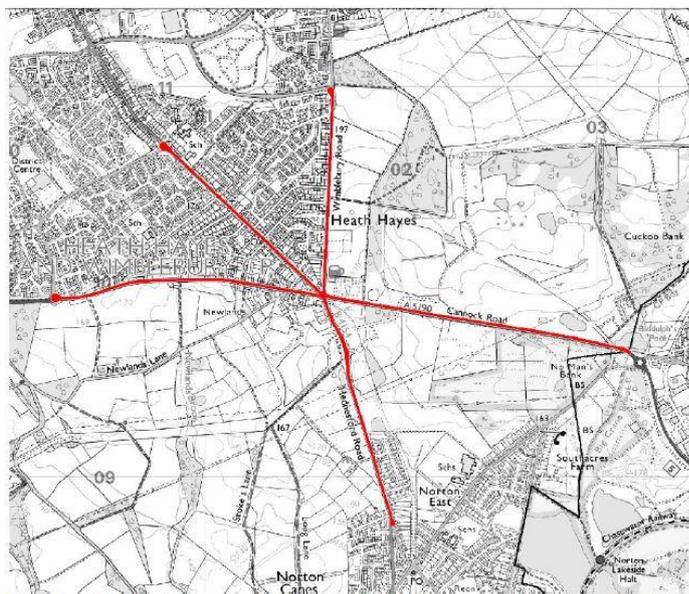
The environmental impact resulting from the development of the crematorium has been assessed as low, as the only sources of pollutant emissions are the cremation plant flue gases and the traffic associated with cremation/funeral services.

An environmental impact assessment has been completed by Phlorum Limited as part of the planning application and a copy of the report is attached (ref: H-CC- AQA.pdf)

As far as the cremators are concerned, the level of pollutant emissions will generally be low due to the relatively limited operating hours and the use of emissions abatement technology. Traffic flow will also be limited and intermittent, so is unlikely to represent a significant increase on the existing traffic movements.

The Air Quality Assessment Report has noted that the proposed crematorium site boundary borders the Heath Hayes, Five Ways Island Air, Quality Management Area (A5190 Cannock Road, Heath Hayes between the junction with Heath Way and the district boundary with Lichfield District Council; B4154 Hednesford Road between the junction with Brownhills Road; Norton Canes and Hayes Way Heath Hayes; Wimblebury Road Heath Hayes between the junction with the A5190 and B4154 ('Five Ways Island') and Brickworks Road)

Fig 1 Five Ways Island AQMA



Peak annual roadside NO<sub>x</sub> levels for parts of this AQMA area are between 50- 60µg/m<sup>3</sup> in recent years which exceeds the NAQS. Air quality modelling of the proposed site has however indicated that the process contribution of the NO<sub>x</sub> from the cremator will have an insignificant impact on air quality levels within the area of concern.

Several Sites of Special Scientific Interest (SSSIs) have been identified within a few kilometres of the proposed site, but only one 'Chasewater and the Southern Staffordshire Coalfield Heaths' is within 0.5 km of crematorium. (See fig 2 below). The effect of emissions from the site on this SSSI have been modelled using ADMS software and reported in the accompanying environmental impact assessment. The conclusions were that there would be no detrimental impact.

Fig 2 Location of Chasewater and the Southern Staffordshire Coalfield Heaths SSSI

