

# Noise & Air Quality

## Noise

The site is bound to the north and east by existing employment uses. The employment area is a 24 hour operation and observed noise sources include forklift trucks and HGV movements (both with reversing beepers), mechanical services plant, employees conversation noise and car/van movements around site.

Additional noise sources to the area include road traffic noise from B4214 Bromyard Road and A438 Hereford Road and the rail noise from the elevated railway viaduct.

The potential impact of noise on the development will be taken into consideration with the design and layout of the proposed land uses. Any necessary mitigation measures can be implemented in order to deliver the scheme which meets the requirements for noise.

## Air Quality

The UKAQS sets a number of “standard” (AQS) concentrations for a number of key pollutants that are to be achieved at sensitive receptor locations across the UK.

The proposed development has the potential to increase pollution concentrations at existing nearby sensitive receptors as a result of changes to the pattern of vehicle movements on local roads. Nitrogen dioxide (NO<sub>2</sub>) and particulate matter (PM<sub>10</sub>, PM<sub>2.5</sub>) are expected to be the primary pollutants of concern. In addition the Air Quality Planning Protocol indicates that developments with more than 300 parking spaces will generally need an air quality assessment.

The main local air pollution sources are vehicles travelling on the local road network, particularly the B4214 Bromyard Road and A438 Hereford Road however the baseline air quality is expected to be good, given the rural location.

The IAQM construction guidance recommends mitigation measures for construction sites with Low, Medium and High Dust Impact Risks. These include measures specific to the individual construction stages (i.e. demolition, earthworks, construction and trackout) and more general measures which may apply throughout the process.

Mitigation measures associated with the development following completion will be incorporated within the scheme which would reduce the potential for significant air quality impacts. These may include: the provision of facilities and schemes for pedestrians and cyclists.