

## **Air Quality Statement**

Land at Cygnus Gardens  
Dibden Purlieu  
Southampton  
SO45 5UH

22/10907

This application is supported by an Air Quality Statement rather than an Air Quality Assessment due to the small level of development proposed.

The proposed development will be constructed in accordance with current building regulations which having been recently updated include significant improvements to the insulation and thermal requirements of new builds.

The uplifts in Approved Document L, Conservation of fuel and power and Approved Document F, and the creation of Approved Document O, Overheating, and Approved Document S, Infrastructure for charging electric vehicles will all contribute to a reduction in emissions and a higher rated EPC. Solar PV is proposed to the rear of the building and facilities will be provided for the charging of electric vehicles. Parking levels cannot be reduced due to current policy however cycle storage facilities are provided and the site is well located for the use of public transport.

## **Dust Impact Assessment**

Demolition – Not Applicable, no buildings on site

Earthworks – Excavation, removal and levelling of site

Dust suppression facilities will remain on site for the duration of the build

Construction – Method and type of construction, duration of build

The expected duration of the build is 6 months, a conventional construction will involve delivery to the site of ready mixed wet concrete. Use of a typical suspended concrete block and beam floor with brick and block cavity walls & 150mm cavity batts. Conventional cut roof.

All create minimal dust and the site is enclosed due to the current fencing on site.

Trackout – Size, speed and volume of vehicle movements

The proposal is a small development requiring minimal site deliveries, the access is a tarmac/ block paving residential road subject to a 30mph speed limit.

## **Mitigation Measures**

Provision is made for

- Use of cycles
- Use of EV
- Well positioned for use of public transport
- Air source heat pump
- Biodiversity net gain in the form of bird and bat boxes, bee bricks and landscaping enhancements.