

## 1. Holbrook Lane, Coventry

Syntegra undertook an Air Quality Assessment to support the planning application for an extension to the existing Meggitt Aerospace Limited production facility on land off Holbrook Lane, Coventry. Following submission of the report to Coventry City Council, a number of comments were received from the Environmental Health Department. These included a request for map outlining the trackout dust sensitive receptors identified in Table 14 of the report. This is provided as Figure 1, positioned at the end of this Technical Note.

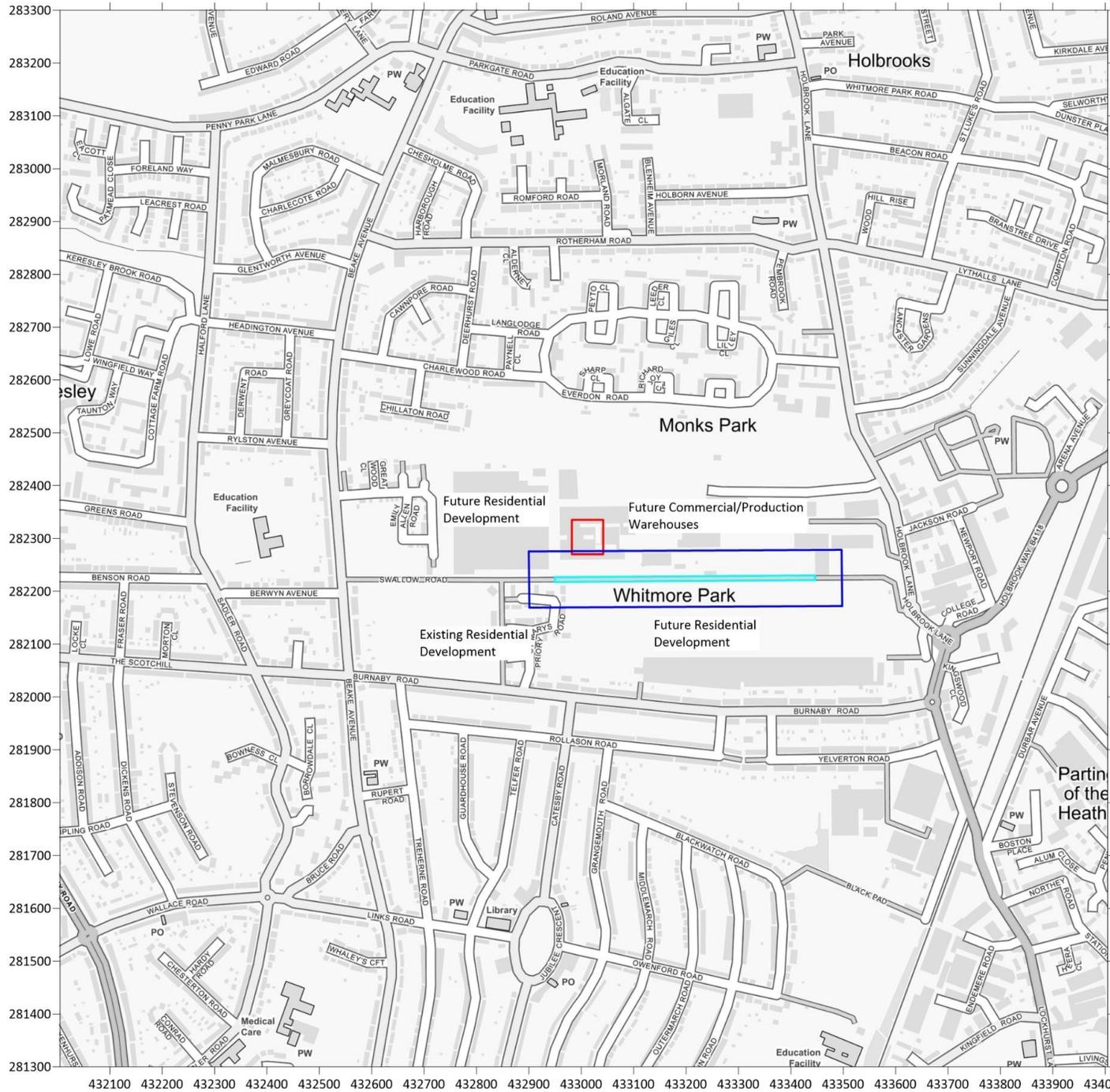
As shown in Figure 1, there are few receptors within 50m of the access route within 500m of the site. The number was therefore approximated as '10 - 100' in accordance with the Institute of Air Quality Management (IAQM) criteria outlined in 'Guidance on the Assessment of Dust from Demolition and Construction V1.1'<sup>1</sup>. The resultant area sensitivity for trackout was defined as high for dust soiling and low for human health, as shown in Table 15 of the report.

It should be noted that if the number of receptors was reclassified as 'more than 100' the resultant area sensitivity would still be high for dust soiling, whilst human health would be increased to medium. However, the predicted dust risks would remain the same at low for dust soiling and negligible for human health, as shown in Table 16 of the report.

As outlined in the Air Quality Assessment, the only process emissions associated with the operational phase of the development consist of argon. This is an inert gas naturally present in the Earth's atmosphere and is only harmful as an asphyxiant when present in high concentrations. As all emissions will be released at high level through dedicated flues the risk of elevated off-site concentrations is not considered to be significant. As such, assessment of process emissions was not included within the project scope.

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<sup>1</sup> Guidance on the Assessment of Dust from Demolition and Construction V1.1, IAQM, 2016.



**Legend**

-  Site Location
-  Access Route up to 500m from Site
-  50m Buffer from Access Route

**Title**  
Figure 1 - Trackout Dust Sensitive Receptors

**Project**  
Air Quality Assessment  
Holbrook Lane, Coventry

Contains Ordnance Survey Data  
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