

Memo

Project: National Paediatric Hospital

Report Type: Summary of Dust Monitoring Results

Period of Monitoring: August 2017

Introduction

The requirement for Dust Monitoring on site is laid out in the Project Environmental Impact Statement (EIS) that would have been submitted as part of the Planning Permission for the project. A number of monitoring points around the perimeter of the site are used to record dust levels. The location and number of dust monitors may vary throughout the project depending on activities on site.

Dust Monitoring.

The monitors are examined monthly and the levels of dust recorded are compared to a dust limit of 350mg/m²/day set out in the Project EIS. The monitoring points are monitored on a 'trigger level' basis - so if a predetermined level of dust is exceeded the Main Contractor shall review work processes and modify as required to reduce the level of dust generated.

Number of Monitors on Site:

Nine

Location of Monitors:

Location of dust monitoring points (DMP) can be seen in Fig.1

Observations:

All dust monitor results are lower than the levels specified in the Project EIS. The highest reading is 56% of the maximum deposition rate limit. The location of the monitor recording the highest dust deposition for July was DMP4 on Brookfield Road. The lowest reading for dust deposition was recorded at DMP5a, adjacent to the existing James Hospital Campus with a dust deposition level of 9.3% of the maximum deposition rate limit specified in the EIS.

Previous Readings:

Previous Reading for location DMP4 were:

April 70.0mg / m² / day

May Not Available

June 138.5mg / m² / day

July 126.6mg / m² / day

The August reading shows an increase on July's reading from 126.6mg / m² / day to 192mg / m² / day which is likely due to increased levels of demolition work near the adjacent boundary.

End.

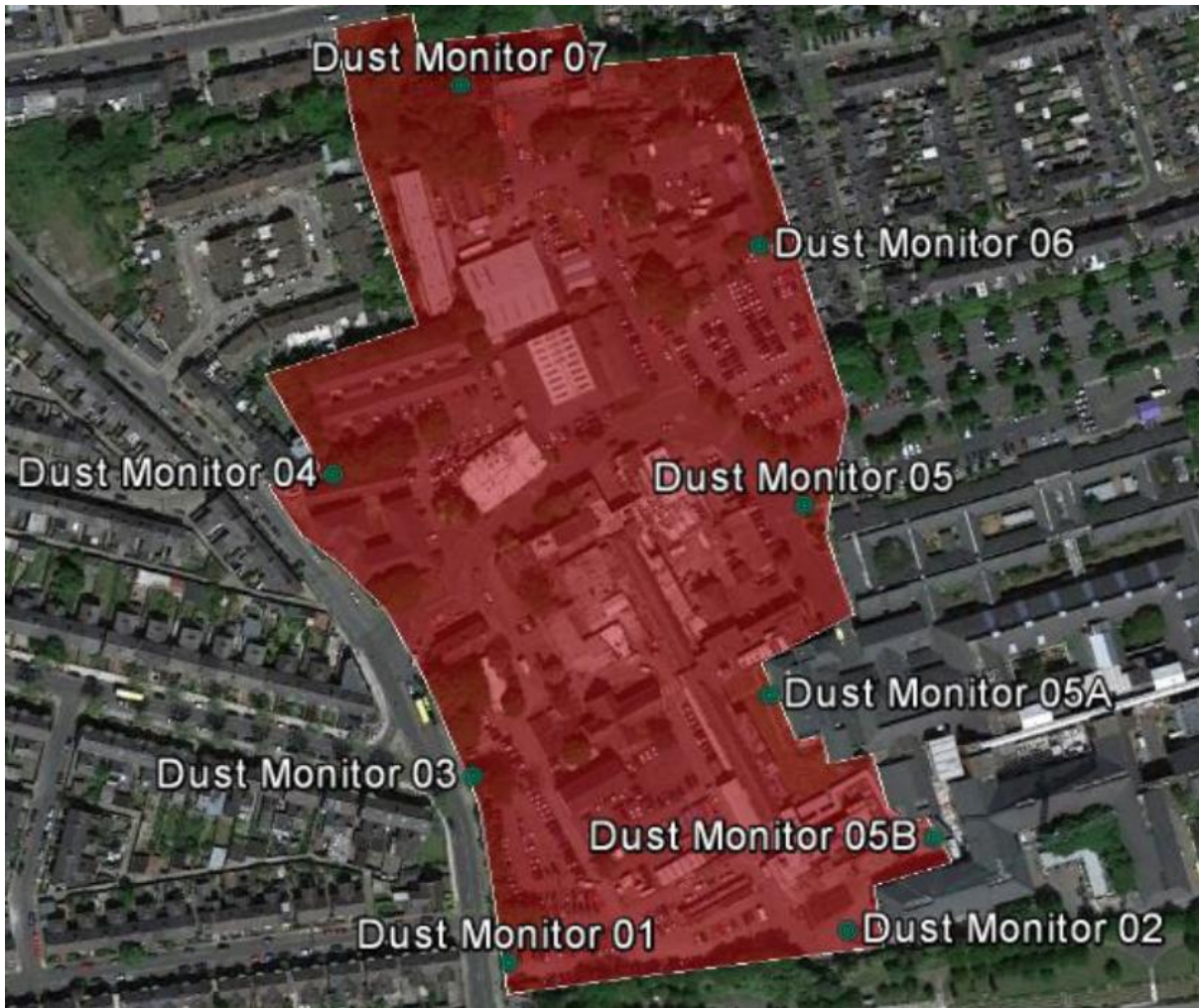


Figure 1. Location of Dust monitors on site.