

Project: National Paediatric Hospital

Report Type: Summary of Dust Monitoring Results

Period of Monitoring: 04th May 2021 – 2nd June 2021

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

Eleven Bergerhoff dust poles and gauges were placed on site by Mulroy Environmental for the duration of the timeframe covered in this report. The gauges were then gathered and were collected via courier and shipped for laboratory analysis to Chemtest Ltd located in Suffolk, UK.

Number of Monitors on Site during Monitoring Period:

11 no. dust monitors were located around the perimeter of the site. The purpose of which was to identify which, if any work activities might be causing a dust disturbance to the site's adjacent residents. The location of dust monitoring points can be seen in Figure 1.

Observations:

The dust fall limit laid down in the Environmental Management Plan is 350mg/m²/day. The results for the dust monitoring show that of the 11 dust gauges analysed, ten of them had dust fall within the limits laid out by the Environmental Management Plan. The results of one monitor, D8, was reported to have been "lost by the lab" prior to testing. The monitors adjacent to D8 (namely D7 & D9) recorded levels of 162 mg/m²/day and 34 mg/m²/day (respectively).

The location with the highest dustfall was near the hospital entrance, where the monitor, D6, measured a dust fall of 345mg/m²/day. The works being carried out in the area which may have contributed to this level are: construction of upper levels, construction traffic, concrete works and waste removal.



Figure 1. Location of Dust monitors on site.