

Project: National Paediatric Hospital

Report Type: Summary of Dust Monitoring Results

Period of Monitoring: 23rd June – 15th September 2020.

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 on the 23rd of June to the 15th September. The gauges were replaced on the 15th September 2020 and were collected via courier and shipped for laboratory analysis to Chemtest Ltd located in Suffolk, UK. The total number of days the dust gauges were in place on site was 84 days. It should be noted, D5, D6 and D11 were changed over on the 11th of August. Due to accessibility issues, no other dust jars could be changed on that date.

The sample period for D5, D6 and D11 is therefore 35 days. The dust gauge at D5 had been removed at some point during the testing period and therefore could not be analysed. Due to difficulties encountered in attempting to access the dust gauge at D4, it was not possible to remove the dust gauge at the appointed time.

Number of Monitors on Site during Monitoring Period:

Eleven (Results gathered from 9)

Location of Monitors:

The location of dust monitoring points can be seen in Figure 1.



Figure 1. Location of Dust monitors on site.

Observations:

No evidence of foreign matter was found in the dust gauges. 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 9 dust gauges analysed, none had an exceedance of the 350mg/m²/day limit for this period. The results from all the 9 dust monitoring locations indicate that the construction site is in compliance with the limits (i.e. 350 mg/m²/day) set by Dublin City Council.