

7.1.3 Air Emission Compliance Report

Dust

In order to establish potential impacts from waste deposition activities proposed at the Application Site and quarrying activities in its environs, four dust monitoring locations were established. Descriptions of the dust monitoring locations are presented in Table 7.3 below and their locations are shown in Figure 7.1.

Table 7.1.1: Description of Dust Monitoring Locations

Location	Description
D1	Located in the south east corner of the Site adjacent to the L1002 public road
D2	Located on the north-eastern corner of the Site adjacent to the L5004 public road and a group of residential dwellings
D3	Located to the north-western corner of the Site adjacent to the L5004 public road
D4	Located to the south-western corner of the Site adjacent to the neighbouring quarry

The monthly dust monitoring results for dust deposition rates from 19 April 2018 to 14 May 2018 are shown in Table 7.4. Dust samples were placed in-situ for a period of 30 days, +/- 2 days.

Table 7.1.2: Total Particulates Data Results for April 2017 to May 2017, Results in mg/m²/day.

2017	Apr-May
D1	82.4
D2	73.4
D3	48.6
D4	66.0

The impact of dust is usually monitored by measuring rates of dust deposition. According to the EPA Guideline Document entitled Environmental Management in the Extractive Industries (April 2006), there are currently no Irish statutory standards or EPA guidelines relating specifically to dust deposition thresholds for inert mineral dust. There are a number of methods to measure dust deposition but only the German TA Luft Air Quality Standards (TA Luft, 1986) specify a method of measuring dust deposition – the Bergerhoff Method (German Standard VDI 2119, 1972) – with dust nuisance. It is the only enforceable method available. On this basis, the EPA recommend a dust deposition limit value of **350 mg/m²/day** (when averaged over a 30-day period) be adopted at waste management facilities licensed by the EPA.

The records from April to May show no exceedances of the 350 mg/m²/day recommend dust deposition limit value. This is reflective of the baseline environment at the Site.