



Abbreviated Dust Monitoring Report

Monitoring Period: 02 March 2026 to 29 March 2026

Project: Grenfell Tower

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Period: 02 March 2026 to 29 March 2026

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Details of Dust Monitor at Receptor Point DMP1 - DMP5

ID Reference	Location
DMP1	North west hoarding, opposite Krav Maga centre
DMP2	North east Hoarding, opposite school academy
DMP3	East Hoarding
DMP4	South East Hoarding, on Grenfell Road
DMP5	West Hoarding, near Station Walk, opposite the under pass

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1. Exceedance Summary - 15-minute Amber Trigger Alert levels:

Any exceedances that do occur will be shown in **Tables 0.1 and 0.2**, if there are no exceedances these tables will remain blank or be removed from this report.

Pollution Episode: It's noted that from 04 - 09 March 2026 there was a pollution episode across London that has caused elevated readings for all monitoring locations for both PM₁₀ and PM_{2.5}. For further information regarding this, please click [here](#).

There were nineteen (19) exceedances of the 15-minute PM_{2.5} 54 (µg/m³) and no exceedances of the 15-minute PM₁₀ 150 (µg/m³) Amber Trigger levels at DMP1.

There were seventeen (17) exceedances of the 15-minute PM_{2.5} 54 (µg/m³) and six (6) exceedances of the 15-minute PM₁₀ 150 (µg/m³) Amber Trigger levels at DMP2.

There was also one (1) exceedance of the 15-minute PM_{2.5} 54 (µg/m³) and no exceedances of the 15-minute PM₁₀ 150 (µg/m³) Amber Trigger levels at DMP3 and DMP5.

There were no other exceedances of either the 15-minute PM₁₀ 150 (µg/m³) or the 15-minute PM_{2.5} 54 (µg/m³) Amber Trigger levels at DMP4.

Table 0.1. – Amber Alert Exceedance Count – 15-Minute Average

Time and Date of Exceedance	Measured Level of Exceedance (µg/m ³)	Particle Size	Alert Level	Monitoring Location	Cause of Exceedance
04/03/2026 18:00	54.4	2.5 µg/m ³	54 µg/m ³ Trigger Level (15min)	DMP1	Due to persistent wet weather since the New Year, a recent dry spell in conjunction with windy weather caused a high dust particulate event (dust plume) not representative of any site works.
04/03/2026 18:15	56.59				
04/03/2026 18:30	58.81				
04/03/2026 18:45	56.44				
04/03/2026 19:00	56.61				
04/03/2026 20:00	56.97				
04/03/2026 20:15	56.17				
04/03/2026 20:45	54.13				
04/03/2026 21:00	56.09				
04/03/2026 21:15	56.7				
04/03/2026 21:30	55.54				Due to the early and late times prior to site works starting
09/03/2026 05:30	56.97				
09/03/2026 05:45	57.32				

09/03/2026 06:00	58.41				and the high humidity readings. It is very likely that these exceedances were caused by fine rain/misty weather and an increase of warmer weather and are not representative of any site works
09/03/2026 06:15	70.03				
09/03/2026 06:30	59.31				
09/03/2026 06:45	56.03				
09/03/2026 07:15	54.64				
09/03/2026 07:45	61.47				
08/03/2026 04:30	65.3			DMP2	Due to the early times prior to site works starting and the high humidity readings. It is very likely that these exceedances were caused by fine rain/misty weather and are not representative of any site works
08/03/2026 04:45	59.98				
08/03/2026 05:00	63.51				
08/03/2026 05:15	71.39				
08/03/2026 05:30	80.26				
08/03/2026 05:45	85.16				
08/03/2026 06:00	81.35				
08/03/2026 06:15	76.14				
08/03/2026 06:30	76.11				
08/03/2026 06:45	76.7				
08/03/2026 07:00	69.73				
08/03/2026 07:15	59.64				
08/03/2026 07:30	56.68				
09/03/2026 07:15	56.04				
09/03/2026 07:30	155.92				
09/03/2026 07:45	165.92				
09/03/2026 08:00	139.59				
04/03/2026 17:15	54.39	2.5 $\mu\text{g}/\text{m}^3$	54 $\mu\text{g}/\text{m}^3$ Trigger Level (15min)	DMP3	Due to continuous rainy activity since the new year, a recent dry spell in conjunction with windy weather caused a high dust particulate event (dust plume) not representative of any site works.

09/03/2026 06:15	58.77			DMP5	Due to the early times prior to site works starting and the high humidity readings. It is very likely that these exceedances were caused by fine rain/misty weather and an increase of warmer weather and are not representative of any site works
08/03/2026 05:30	153.52	10 $\mu\text{g}/\text{m}^3$	150 $\mu\text{g}/\text{m}^3$ Trigger Level (15min)	DMP2	Due to the early and late times prior to site works starting and the high humidity readings. It is very likely that these exceedances were caused by fine rain/misty weather and an increase of warmer weather and are not representative of any site works
08/03/2026 05:45	160.56				
08/03/2026 06:00	153.19				
09/03/2026 07:30	280.53				
09/03/2026 07:45	298.6				
09/03/2026 08:00	249.75				

2. Exceedance Summary - 1-hour Red Action Alert levels:

There was **one (1) exceedances** of the 1-hour PM₁₀ 190 (µg/m³) and **three (3) exceedances** of the 1-hour PM_{2.5} 70 (µg/m³) Red Action Alert levels at **DMP2**. There were **no exceedances** at any other monitoring locations.

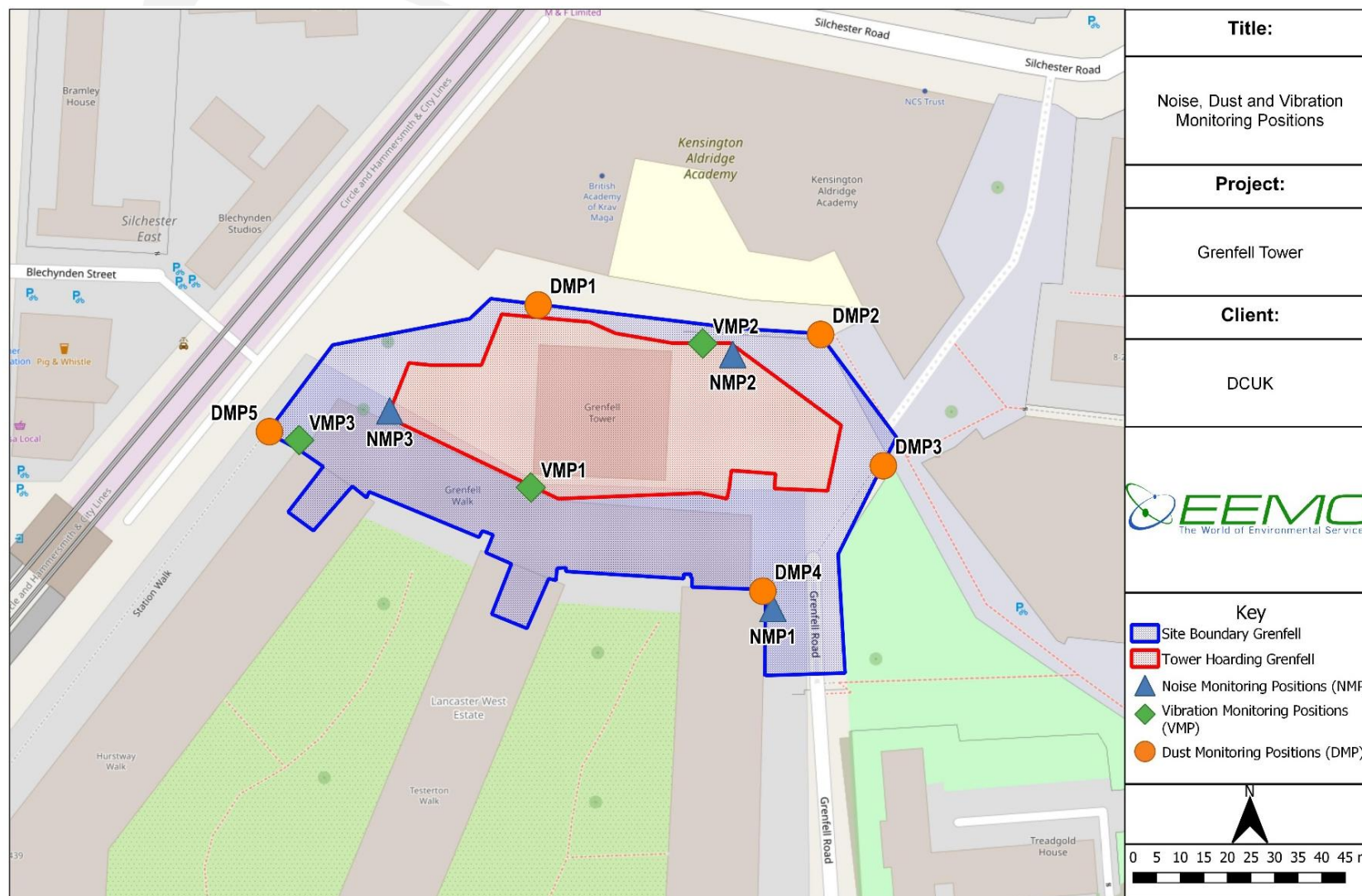
Time and Date of Exceedance	Measured Level of Exceedance (µg/m ³)	Particle Size	Alert Level	Monitoring Location	Cause of Exceedance	Mitigation
08/03/2026 06:00	79.5	2.5 µg/m ³	70 µg/m ³ Red Action Level (1hour)	DMP2	Due to the early hours this occurred and the high humidity reading. It is very likely that these exceedances were <u>caused by fine rain/misty weather</u> and are not representative of any site works.	Occurred outside of Working hours.
08/03/2026 07:00	74.7					
09/03/2026 08:00	129.4					
-	-	2.5 µg/m ³	70 µg/m ³ Red Action Level (1hour)	DMP1,DMP3-5	No exceedances	-
09/03/2026 08:00	232.3	10 µg/m ³	190 µg/m ³ Red Action Level (1hour)	DMP2	Due to the early hours this occurred and the high humidity reading. It is very likely that these exceedances were caused by fine rain/misty weather and are not representative of any site works.	Occurred outside of Working hours.
-	-	10 µg/m ³	190 µg/m ³ Red Action Level (1hour)	DMP1, DMP3-5	No exceedances	-

**Foggy weather can affect PM_{2.5} due to a combination of; stagnant air, low wind and an increase in humidity. It can also be explained due to a phenomena known as- pollutant fog. This is due to an increased humidity, causing a false*

reading of water droplet molecules on the light scattering sensor. Increased humidity can cause aerosols to absorb water and therefore grow in size. This is known as 'hygroscopic growth'.



Figure 1- Map of Noise, Dust & Vibration Monitoring Locations



Images 1 – DMP1 Monitoring Location (photo taken on site on 19/5/2025).



Images 3 – DMP2 Monitoring Location (photo taken on site on 19/5/2025).



Images 5 – DMP3 Monitoring Location (photo taken on site on 19/5/2025).



Images 7- DMP4 Monitoring Location (photo taken on site on 19/5/2025)



Images 9- DMP5 Monitoring Location (photo taken on site on 19/5/2025)



3. Introduction

European Environmental Monitoring and Consultancy (EEMC) Limited have been appointed by Deconstruct to undertake air quality monitoring, in the form of fine particulate matter (PM₁₀ and PM_{2.5}), during the Deconstruction works at the Grenfell Tower project.

The site boundary and hoarding line of this project is shown in Figure 1. The project is located at Grenfell Tower, Grenfell Road, W11 1TQ. The entire site is located within Royal Borough of Kensington & Chelsea (RBKC) and is bordered by residential blocks to the south, and a school and football pitches to the north and a leisure centre to the east. The London Underground viaduct is 70m to the west and Latimer Road Tube station is 200m from the project

This report presents the measured and recorded unattended Dust monitoring data for the period 02 March 2026 to 29 March 2026.

Deconstruct will ensure ongoing liaison with MHCLG and RBKC when required to obtain any required consents and permits for the project.

4. Instrumentation

Five (5) MCerts approved HIVE-AQ DUSTROID™ monitors are deployed to carry out the continuous monitoring on site. A map showing the monitoring locations is shown in Figure 1. Photographs showing the equipment installed at locations DMP1- DMP5 are shown in Images 1-5.

The monitors are housed in a weather-resistant environmental enclosure and were installed at locations previously agreed between the site developers and Kensington and Chelsea council. The systems are each fitted with a modem to allow remote access to measurement data on the internet and provision of email alerts. The monitors continuously measure particulate matter (in µg/m³) and data is recorded as 1 hour and 15 minute average periods.

5. Methodology

The measured PM₁₀ and PM_{2.5} concentrations on site can be used to assess the effect of construction activities. If PM₁₀ and PM_{2.5} concentrations above the following levels are measured, an email alert is sent instantaneously to designated site personnel.

The Trigger and Action levels for the project are set out in the **Air Quality & Dust Management Plan (AQDMP)** (ref: [Air quality and dust management plan - Grenfell Tower](#)) and are reproduced for reference in Table 3.1.

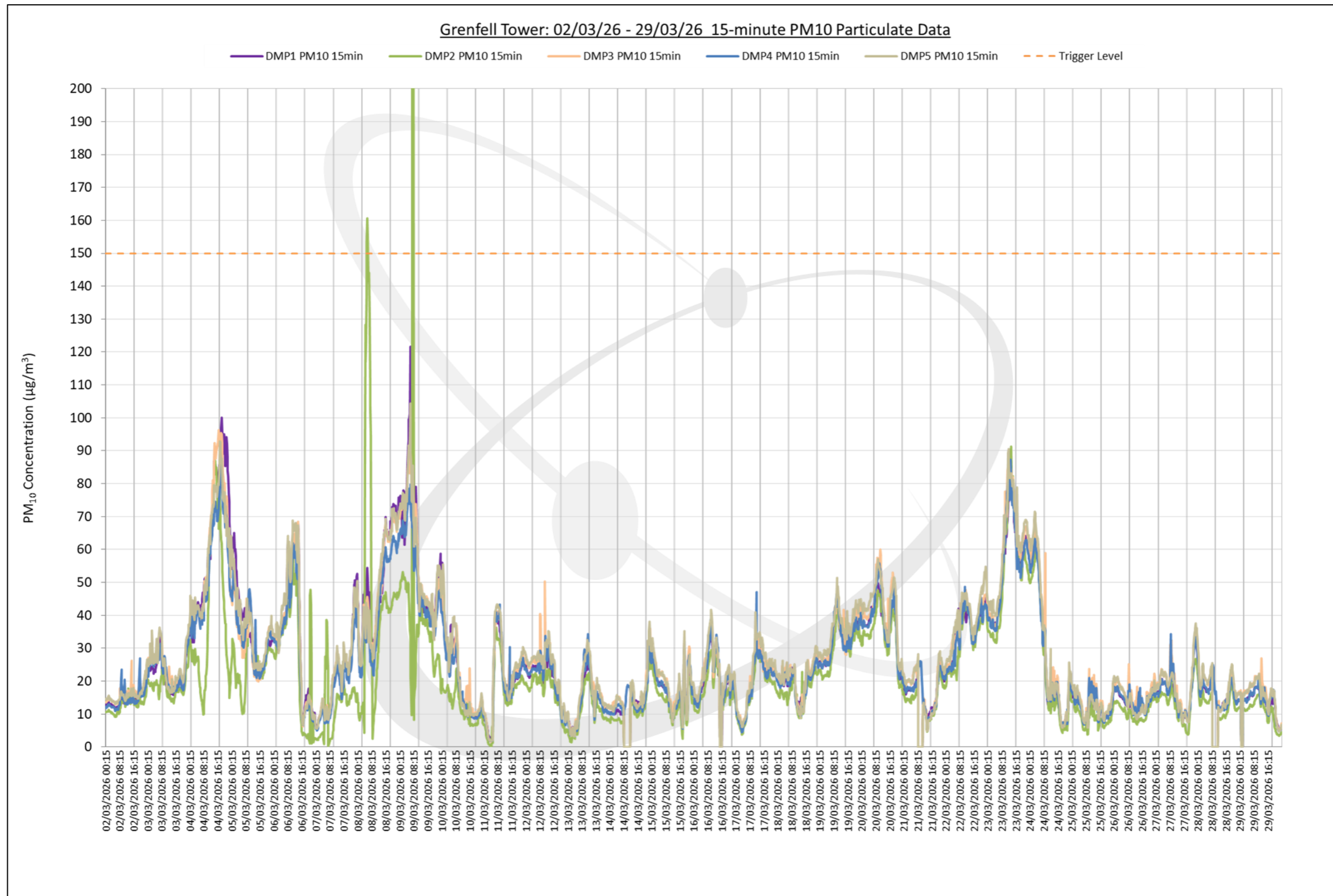
Table 3.1 – Trigger & Action Levels for all Monitoring Locations

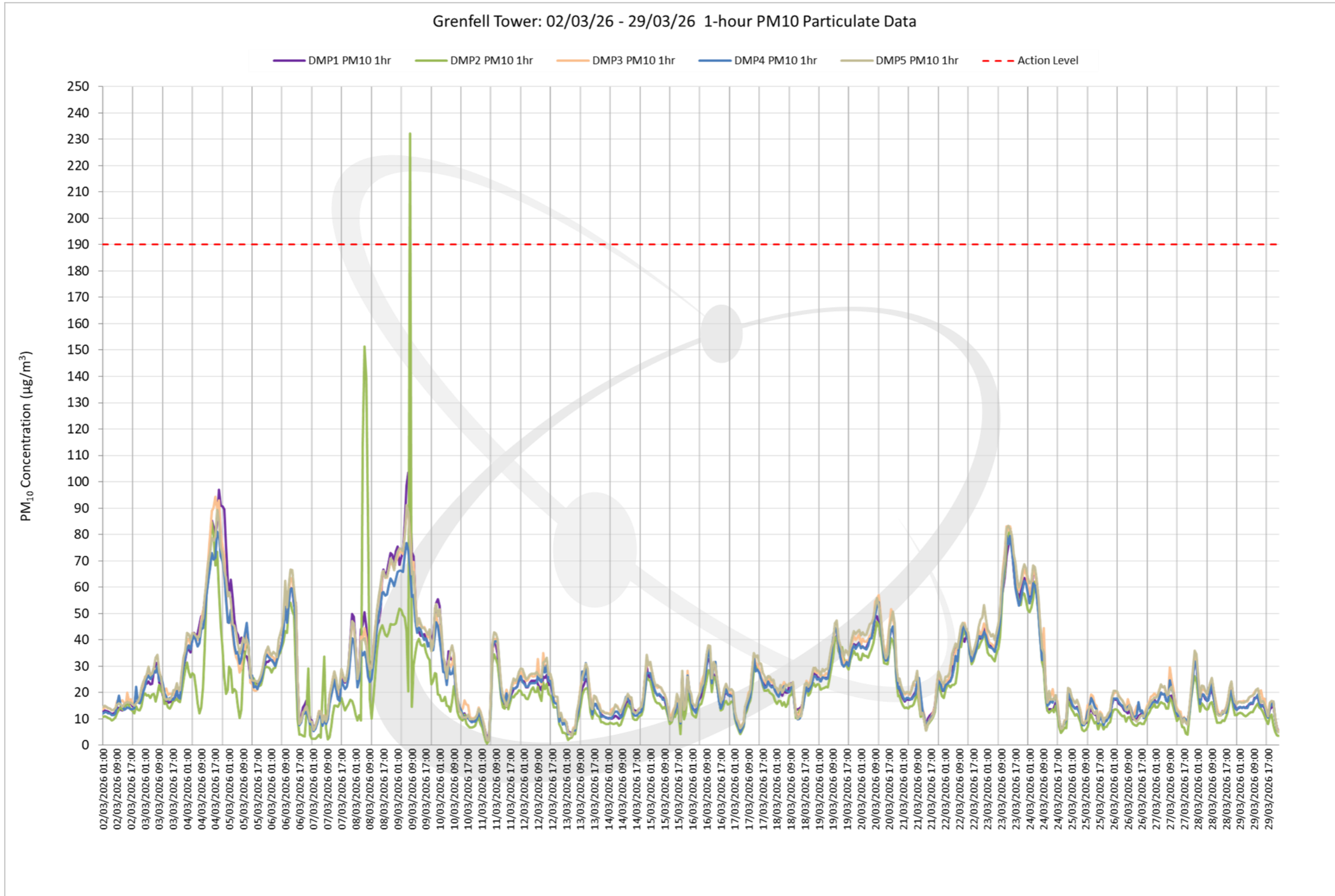
Particulate Matter	Trigger Level (15-minute mean $\mu\text{g}/\text{m}^3$)	Action Level (1-hour mean $\mu\text{g}/\text{m}^3$)
PM ₁₀	150	190
PM _{2.5}	54	70

6. Measurement Results

The results of the Dust measurements in this period are presented graphically for PM₁₀ and PM_{2.5} in Sections 7 and 8 respectively of this report.

7. PM₁₀ Dust Monitoring Graphs





8. PM_{2.5} Dust Monitoring Graphs

