Abbreviated Dust Monitoring Report

Monitoring Period: 05 January 2026 to 01 February 2026

Project:	Grenfell Tower
Document Ref:	EEMC-DMR-201/105 – Grenfell Tower Rev 01
Period:	05 January 2026 to 01 February 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

Contents

Review and Authorisation

	Name	Role	Signature	Date
Author:	Stacey Miller	Project Manager		03/02/2026
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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 empty or be removed from this report.

There were **twenty-seven (27) exceedances** of the 15-minute $PM_{2.5}$ 54 (µg/m^3) and **seven (7) exceedances** of the 15-minute PM_{10} 150 (µg/m^3) Amber Trigger levels at **DMP2.**

There were **no other exceedances** of either the 15-minute PM_{10} 150 (µg/m^3) or the 15-minute $PM_{2.5}$ 54 (µg/m^3) Amber Trigger levels at any other monitoring locations.

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
18/01/2026 02:45	85.42	2.5 µg/m^3	54 µg/m^3 Trigger Level (15min)	DMP2	Due to the early hours these occurred, the exceedances all being consecutive on 18th January 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.
18/01/2026 03:00	96.66				
18/01/2026 03:15	109.26				
18/01/2026 03:30	115.42				
18/01/2026 03:45	124.37				
18/01/2026 04:00	126.82				
18/01/2026 04:15	105.55				
18/01/2026 04:30	79.37				
18/01/2026 04:45	71.18				
18/01/2026 05:00	73.01				
18/01/2026 05:15	71.84				
18/01/2026 05:30	77.15				
18/01/2026 05:45	70.01				
18/01/2026 06:00	64.77				
18/01/2026 06:15	63.06				

18/01/2026 06:30	64.09				
18/01/2026 06:45	66.26				
18/01/2026 07:00	69.1				
18/01/2026 07:15	63.29				
18/01/2026 07:30	58.88				
18/01/2026 07:45	55.17				
18/01/2026 08:00	57.96				
29/01/2026 08:30	62.82				A diesel delivery occurred and was within 5m of the monitoring location causing localised exceedances. The driver was instructed not to leave their truck idling.
29/01/2026 08:45	59.86				
29/01/2026 09:00	57.1				
29/01/2026 09:15	55.02				
29/01/2026 09:30	56.84				
18/01/2026 02:45	152.4	10 µg/m^3	150 µg/m^3 Trigger Level (15min)	DMP2	Due to the early hours these occurred, the exceedances all being consecutive on 18th January 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.
18/01/2026 03:00	175.72				
18/01/2026 03:15	200.54				
18/01/2026 03:30	212.04				
18/01/2026 03:45	228.87				
18/01/2026 04:00	232.02				
18/01/2026 04:15	191.58				

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

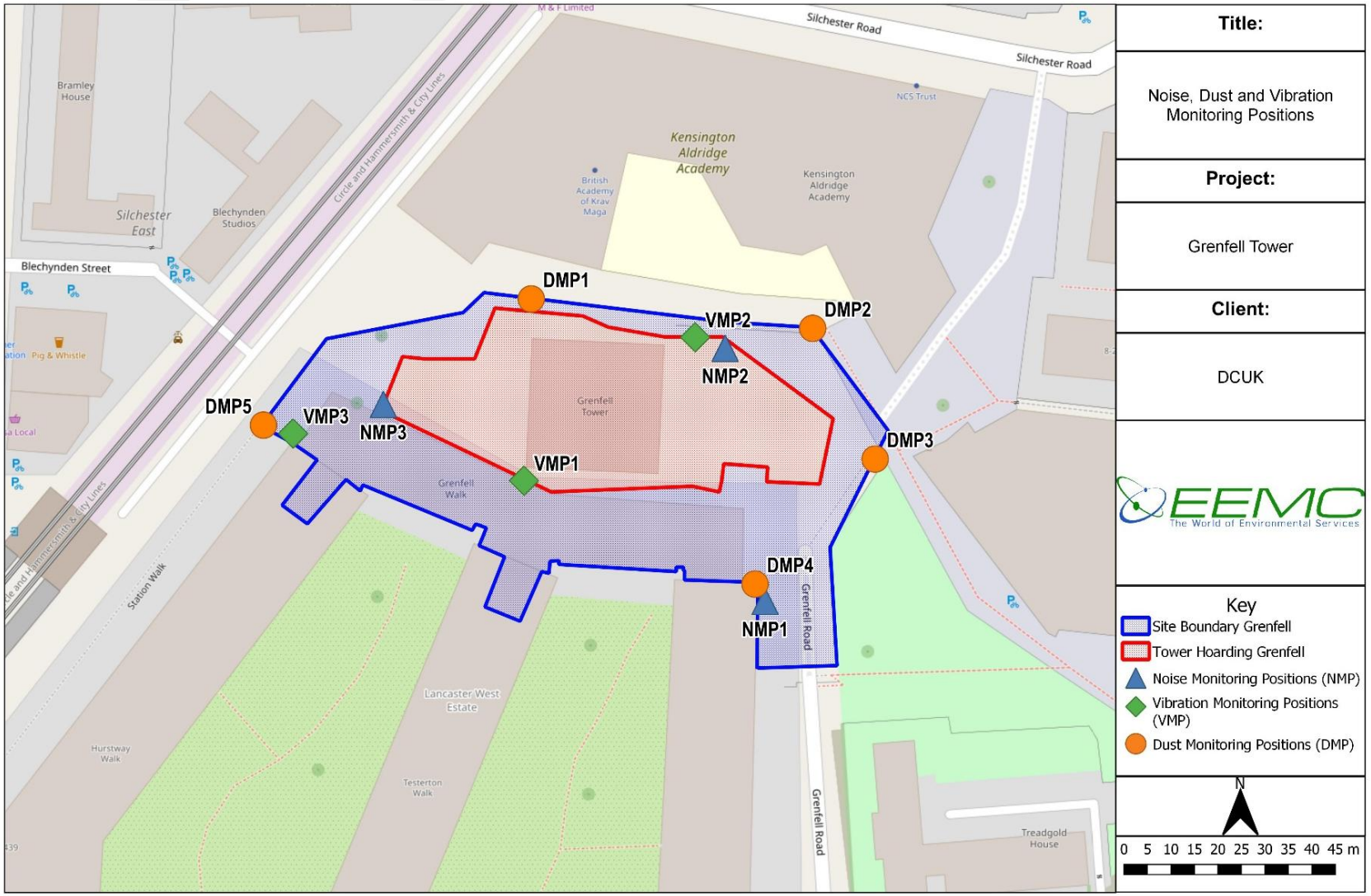
There were **three (3) exceedances** of the 1-hour $PM_{2.5}$ 70 (µg/m^3) and Red Action Alert levels **one (1) exceedance** of the 1-hour PM_{10} 190 (µg/m^3) at **DMP2.**

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
18/01/2026 04:00	119.0	2.5 µg/m^3	70 µg/m^3 Red Action Level (1hour)	DMP2	Due to the early hours these occurred, the exceedances all being consecutive on 18th January 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.	Occurred outside of Working hours.
18/01/2026 05:00	82.3					
18/01/2026 06:00	70.9					
18/01/2026 04:00	218.4	10 µg/m^3	190 µg/m^3 Red Action Level (1hour)	DMP2		Occurred outside of working hours.

**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 (PM_{10} 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 05 January 2026 to 01 February 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/m^3) and data is recorded as 1 hour and 15 minute average periods.

5. Methodology

The measured PM_{10} and $PM_{2.5}$ concentrations on site can be used to assess the effect of construction activities. If PM_{10} 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.

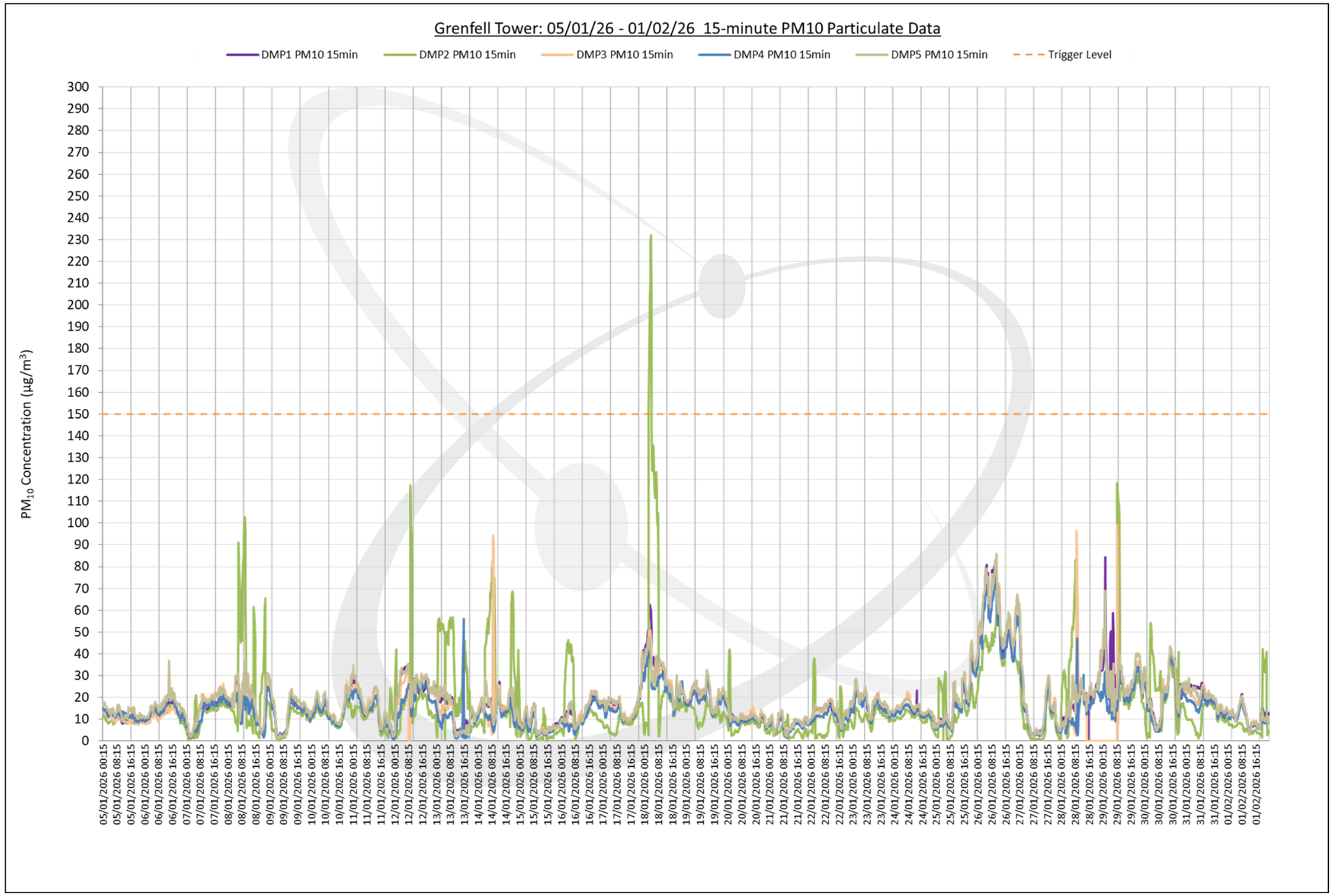
Table 3.1 – Trigger & Action Levels for all Monitoring Locations

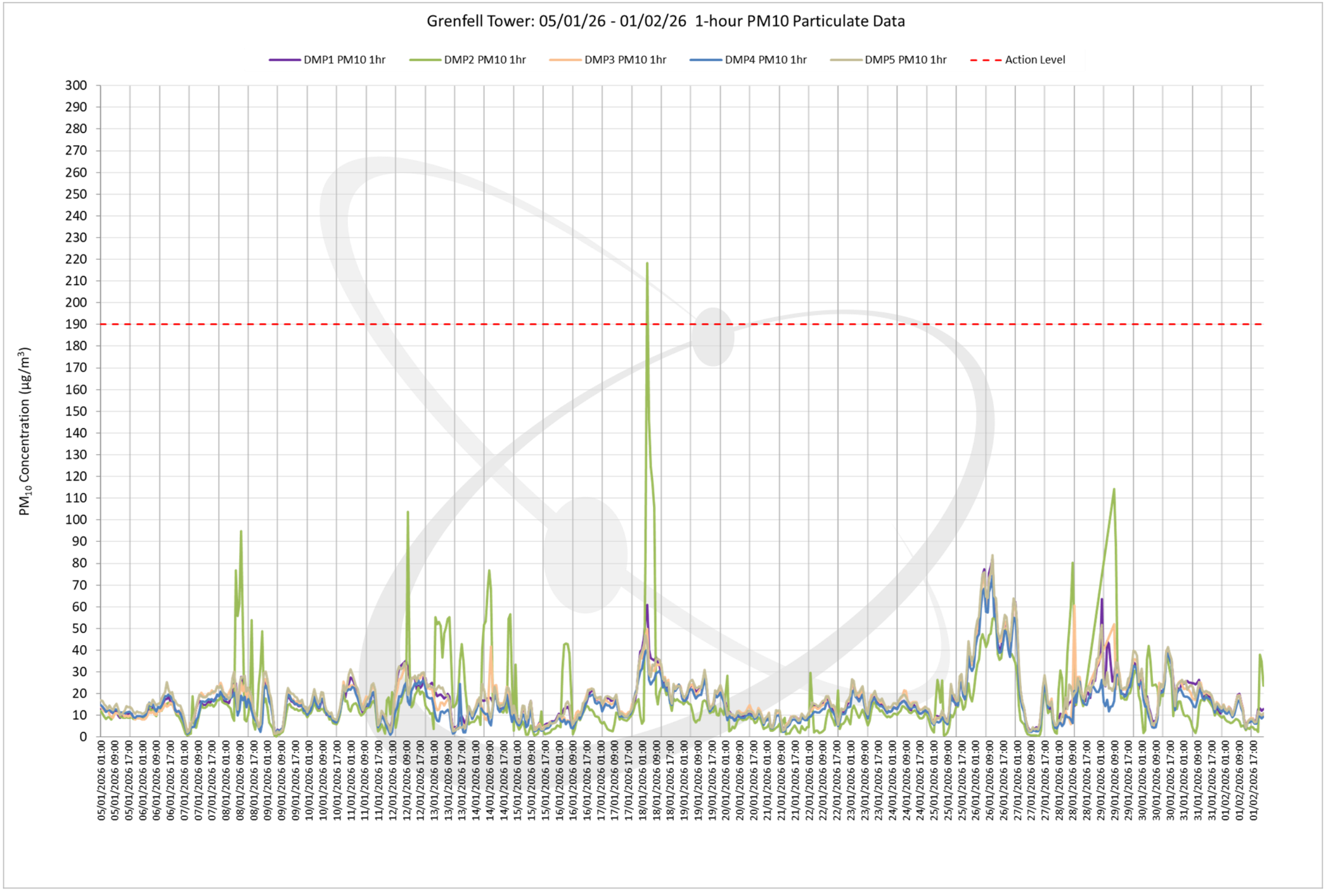
Particulate Matter	Trigger Level *(15-minute mean µg/m³)*	Action Level *(1-hour mean µg/m³)*
PM_{10}	150	190
$PM_{2.5}$	54	70

6. Measurement Results

The results of the Dust measurements in this period are presented graphically for PM_{10} and $PM_{2.5}$ in Sections 7 and 8 respectively of this report.

7. PM_{10} Dust Monitoring Graphs




Grenfell Tower: 05/01/26 - 01/02/26 1-hour PM10 Particulate Data
DMP1 PM10 1hr
DMP2 PM10 1hr
DMP3 PM10 1hr
DMP4 PM10 1hr
DMP5 PM10 1hr
Action Level
PM10 Concentration (µg/m3)
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
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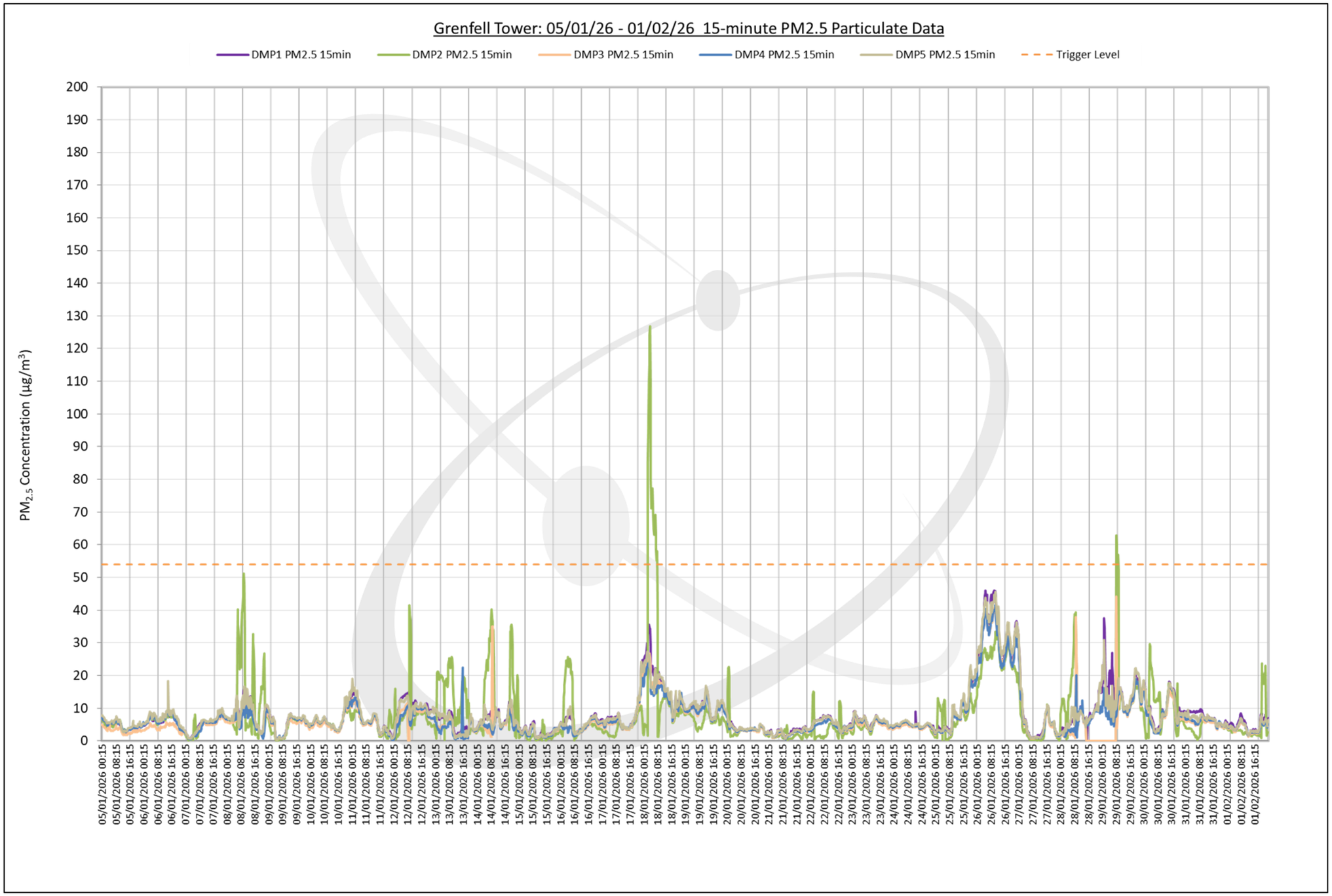
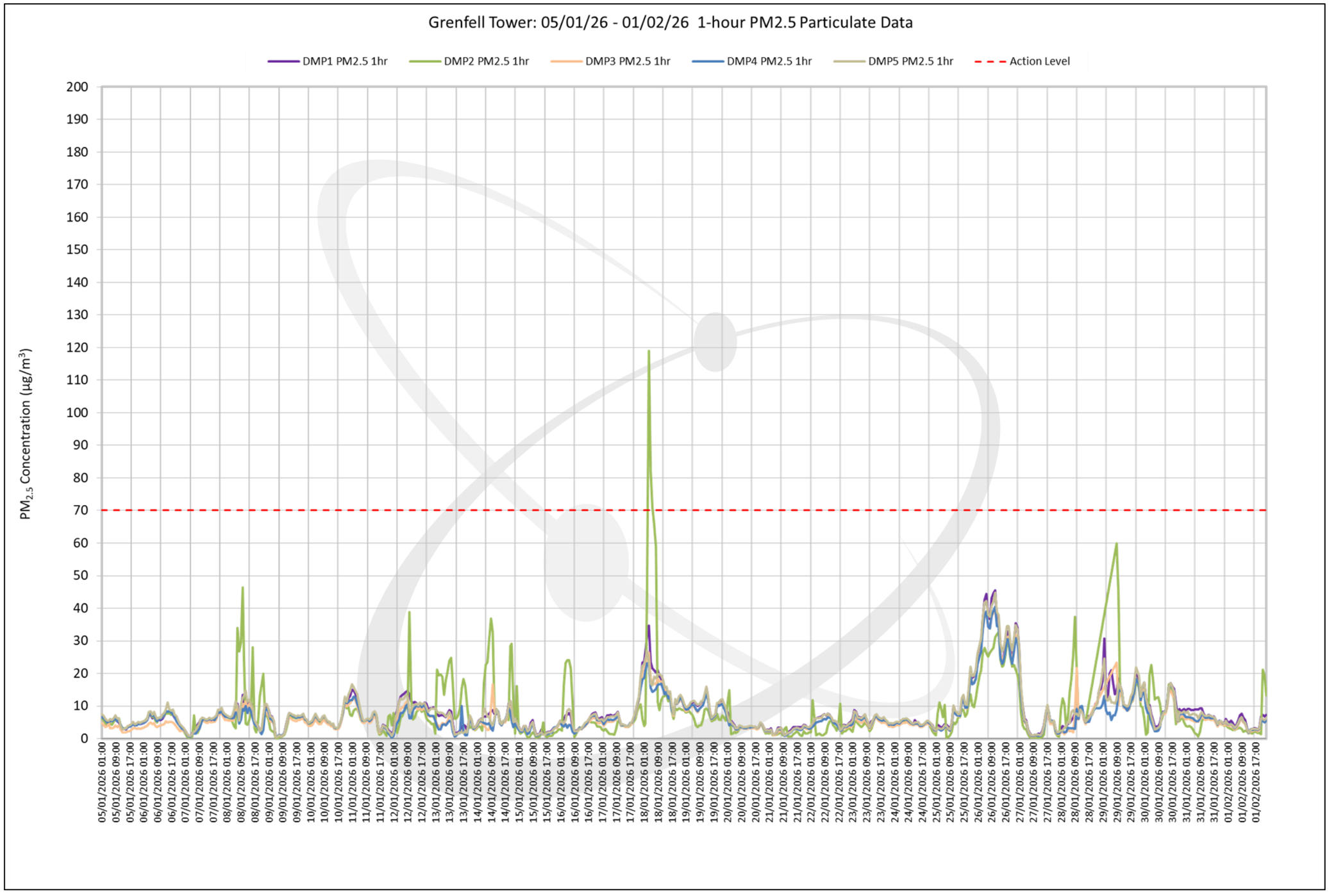
8. $PM_{2.5}$ Dust Monitoring Graphs




Grenfell Tower: 05/01/26 - 01/02/26 1-hour PM2.5 Particulate Data
DMP1 PM2.5 1hr
DMP2 PM2.5 1hr
DMP3 PM2.5 1hr
DMP4 PM2.5 1hr
DMP5 PM2.5 1hr
Action Level
PM2.5 Concentration (µg/m3)
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
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