



Abbreviated Vibration Monitoring Reports

Monitoring Period: 27 July 2026 to 30 August 2026

Project:	Grenfell Tower
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Details of Vibration Monitor at Receptor Points VMP1 – VMP3

ID Reference	Location
VMP1	Opposite the southeast corner of the tower between two (2) concrete blocks
VMP2	Base of North hoarding co-located with NMP2.
VMP3	Mobile unit- located at the base of NW hoarding with DMP5 and NMP3

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1. Exceedance Summary

VMP1:

There were **no exceedances** of the 3.0mm/s Red Action level and **three (3) exceedances** of the 1.0mm/s Amber Trigger level during working hours in this reporting period.

VMP2:

There were **three (3) exceedances** of the 5.0mm/s Red Action level and **four (4) exceedances** of the 3.0mm/s Amber Trigger level during working hours in this reporting period.

VMP3:

There were **no exceedances** of the 5.0mm/s Red Action level or the 3.0mm/s Amber Trigger level during working hours in this reporting period.

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. For more information regarding the trigger limits, refer to Section 4 – Methodology.

Table 0.1. – Amber Trigger Exceedance Count

Monitoring Location	Time and Date of Exceedance	Measured Level of Exceedance (mm/s)	Amber Trigger Level (mm/s)	Cause of Exceedance
VMP1	10/08/2026 09:30	1.12	1.0mm/s	Delivery of new Mains Distribution units. (Heavy to unload)
	24/08/2026 12:05	1.31		Accidental disturbance to MEMS sensor due to DCUK operative working close by.
	28/08/2026 16:50	1.89		
VMP2	28/07/2026 10:00	3.36	3.0mm/s	Loading skips.
	04/08/2026 09:20	3.38		8-yard skips loading metal into 40-yard bins.
	10/08/2026 11:55	3.58		Skip exchange
	20/08/2026 13:35	4.56		14T digger loading a metal skip
VMP3	-	-		No exceedances

Table 0.2. Red Action Exceedance Count

Monitoring Location	Date and Time of Exceedance	Measured Level of Exceedance (mm/s)	Red Action Level (mm/s)	Cause of Exceedance	Mitigation
VMP1	-	-	3.0mm/s	-	-
VMP2	28/07/2026 13:40	7.78	5.0mm/s	14T digger loading metal skip.	Methodology reviewed with operatives; works briefed to minimise direct impact adjacent to the monitor. Reduced use of percussive tools within exclusion zone and increased supervision during proximity activities.
	04/08/2026 12:25	9.37		Skip exchange.	
	17/08/2026 16:25	5.41		Skip loading with props.	
VMP3	-	-		-	-

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

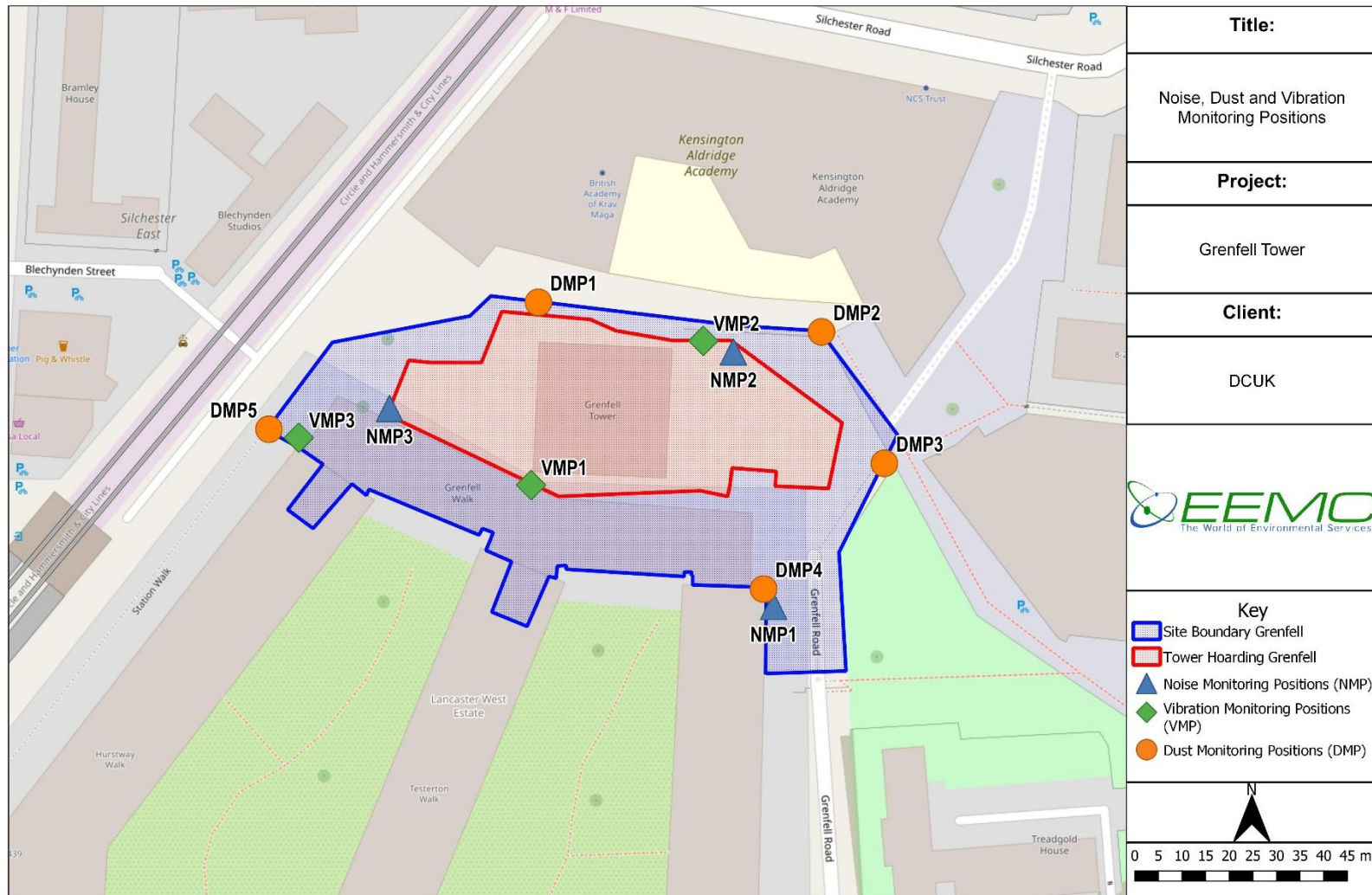


Image 1 – VMP1 Monitoring Location



Image 2 –VMP2 Monitoring Location



Image 3 – VMP3 Monitoring Location



2. Introduction

European Environmental Monitoring and Consultancy (EEMC) Limited have been appointed by Deconstruct to undertake vibration monitoring work during the deconstruction works at the Grenfell Tower project.

The site boundary and hoarding line of this project are shown in Figure 1. The project is located at Grenfell Tower, Grenfell Road, W11 1TQ. The entire site is located within the Royal Borough of Kensington & Chelsea (RBKC) and is bordered by residential blocks to the south, 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 vibration monitoring data for the period 27 July 2026 to 30 August 2026.

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

3. Instrumentation

Three (3) Omnidots Swarm vibration (DIN45669-2 compliant) monitoring systems, affixed to ground vibration base plates, are installed and positioned on a solid floor structure, close to the site boundary.

The Swarm monitor has built-in logging and telemetry; data is managed, configured, and viewed on the Honeycomb cloud portal. Email alerts are generated when trigger levels are exceeded.

4. Methodology

The Swarm monitors record Peak Particle Velocity (PPV) in orthogonal (x, y and z) directions in mm/s continuously over 1-minute periods. A map showing the locations of the monitors is in Figure 1. A photograph showing the monitoring location is shown in Image 1.

The Trigger and Action levels for the project are set out in the **Noise and Vibration Management Plan** (ref: [Noise and vibration management plan - Grenfell Tower](#)) and are reproduced for reference in Table 3.1. The NVMP sets out different limits depending on whether the closest sensitive receptor is residential or commercial.

The closest sensitive receptors for the three (3) monitoring positions are outlined below and directly link to the limits used:

- The closest sensitive receptor to VMP1 is the **residential** Receptor: E - Testerton Walk.
- The closest sensitive receptor to VMP2 is the **commercial** Receptor: A - Kensington Aldridge Academy.
- The closest sensitive receptor to VMP3 is the **commercial** adjacent Hammersmith and City and Circle Tube Lines.

Table 3.1 – Trigger & Action Levels

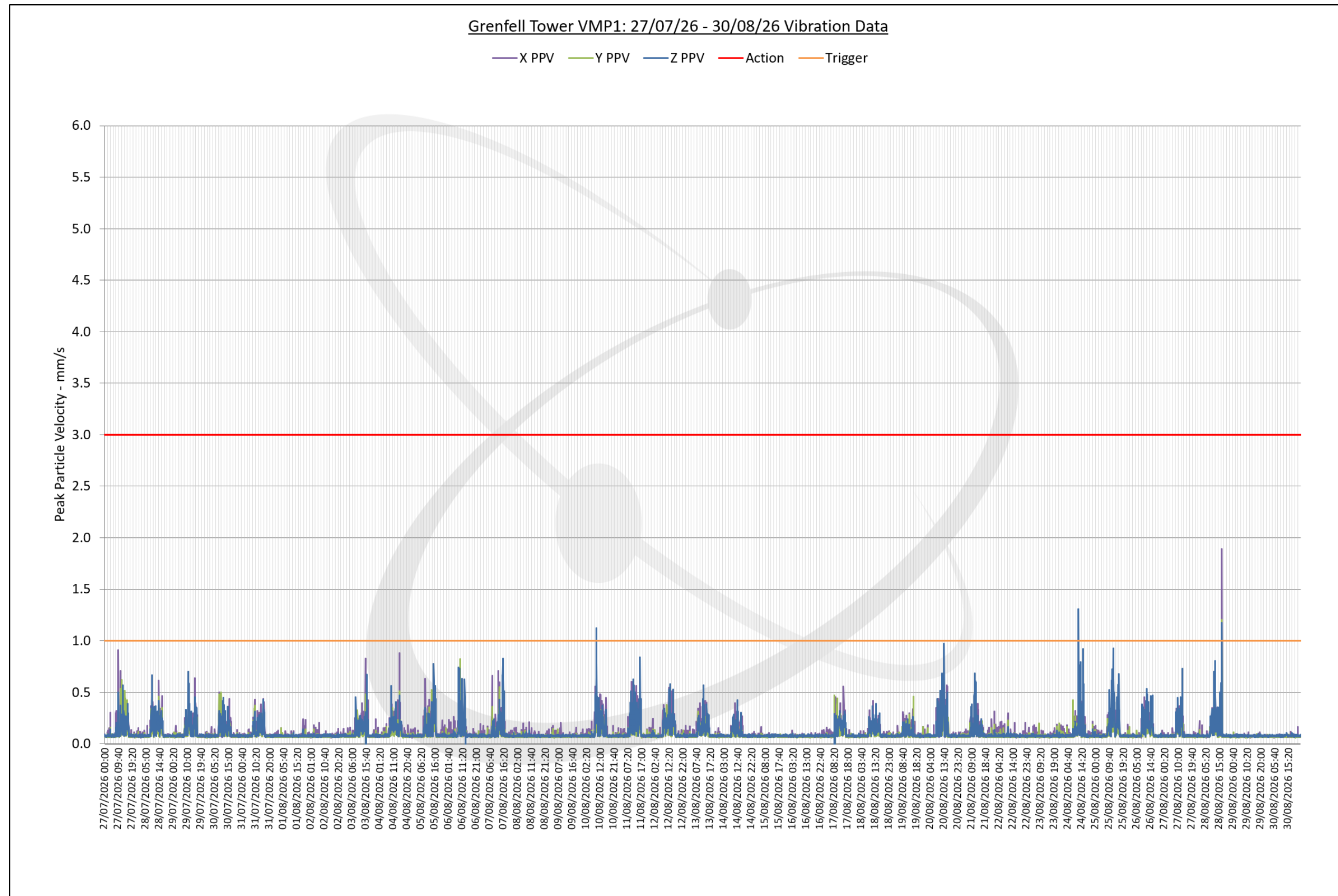
	Green Trigger Level	Amber Trigger Level	Red Action Level
VMP1 <i>Residential</i>		1 mm/s	3 mm/s
VMP2 and VMP3 <i>Commercial</i>	1 mm/s	3 mm/s	5 mm/s

**Green Trigger Alerts are a pre-warning for site only. These are not actionable, and therefore the green alerts are not reported in this report. Amber alerts are a warning for the site, and red alerts are exceedances which require investigation and mitigation measures.*

5. Measurement Results

The results of the vibration measurements in this period are presented graphically in Section 6 of this report.

6. Vibration Monitoring Graphs



Grenfell Tower VMP2: 27/07/26 - 30/08/26 Vibration Data

