



Abbreviated Vibration Monitoring Reports

Monitoring Period: 04 May 2026 to 31 May 2026

Project: Grenfell Tower

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Period: 04 May 2026 to 31 May 2026

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Details of Vibration Monitor at Receptor Point VMP1 – VMP3

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

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1. Exceedance Summary

At 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.

At VMP2:

There was **one (1) exceedances** of the Red Action level 5.0mm/s and **one (1) exceedances** of the Amber Trigger level 3.0mm/s in this reporting period

At VMP3:

There were **three (3) exceedances** of the Red Action level 5.0mm/s and **one (1) exceedances** of the Amber Trigger level 3.0mm/s 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	05/05/2026 12:40	2.48	1.0mm/s	Removal of the temporary propping from link bridge area
	07/05/2026 16:05	1.06		
	26/05/2026 09:10	1.10		One of the workers was sweeping the area and hit the protection box
VMP2	08/05/2026 09:50	3.01	3.0mm/s	40-yard skips exchange with columns and reinforcement bars
VMP3	14/05/2026 17:40	3.02		Alarm triggered due to heavy rain and hail

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	No exceedances	
VMP2	27/05/2026 13:40	6.17	5.0mm/s	14t digger loading and unloading 8yard skip	Methodology reviewed with operatives; works briefed to minimise direct impact adjacent to monitor. Reduced use of percussive tools within exclusion zone and increased supervision during close-proximity activities.
VMP3	14/05/2026 15:10	6.46		Alarm triggered due to heavy rain and hail	It was advised due to these types of exceedances that a protective enclosure be constructed around the monitoring equipment. This was carried out.
	20/05/2026 11:45	108.93		Alarm triggered due to new protection box fixed around sensor	The box should help prevent future anomalous exceedances from adverse weather and/or accidental disturbances
	20/05/2026 11:50	67.70			

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

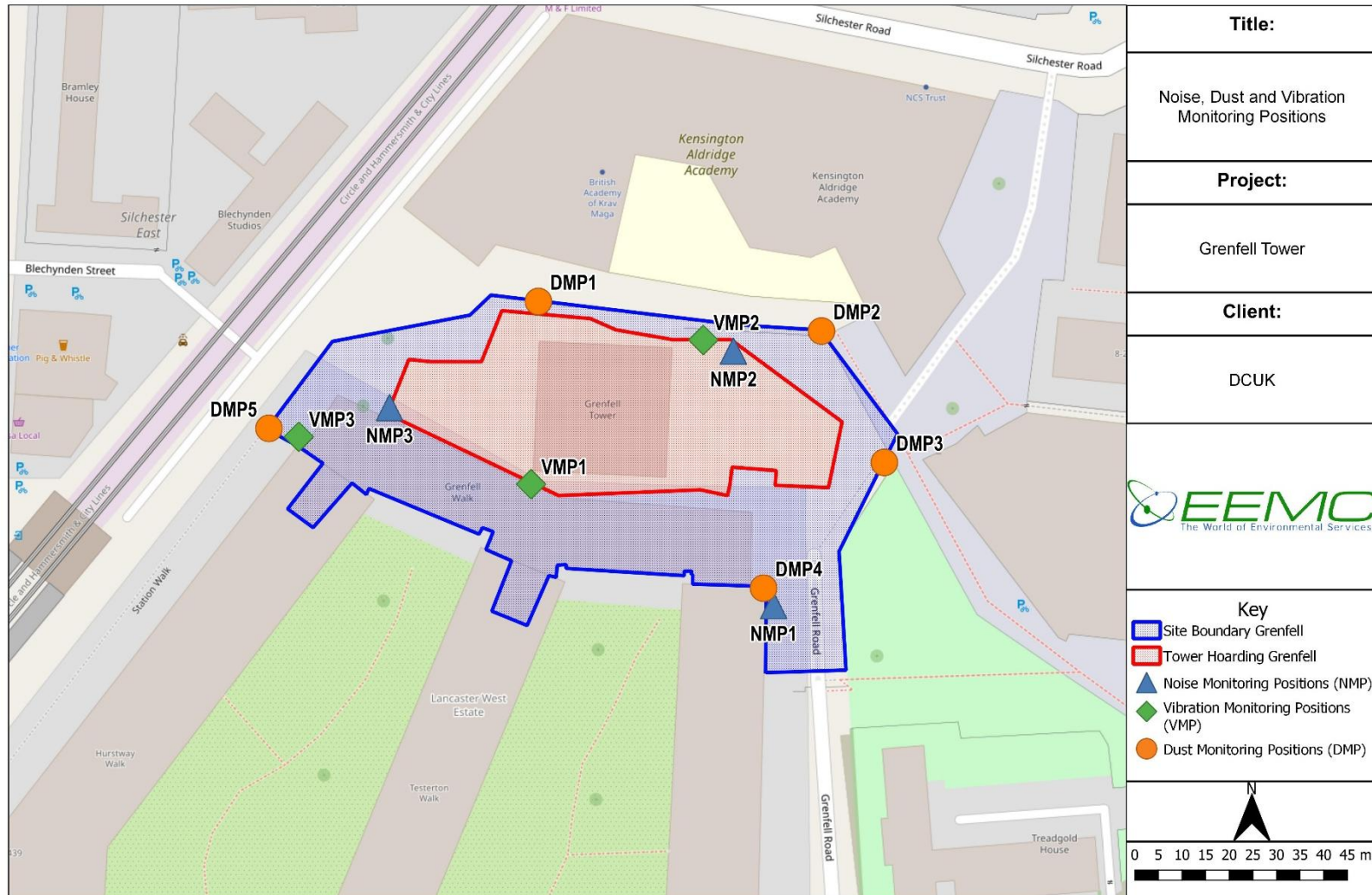


Image 2 – VMP1 Monitoring Location



Image 3 –VMP2 Monitoring Location



Image 4 – 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 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 vibration monitoring data for the period 04 May 2026 to 31 May 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 positioned on a solid floor structure, close to the site boundary. A copy of the calibration certificates for the monitor located at VMP1 is attached as Appendix 1.

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 if 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

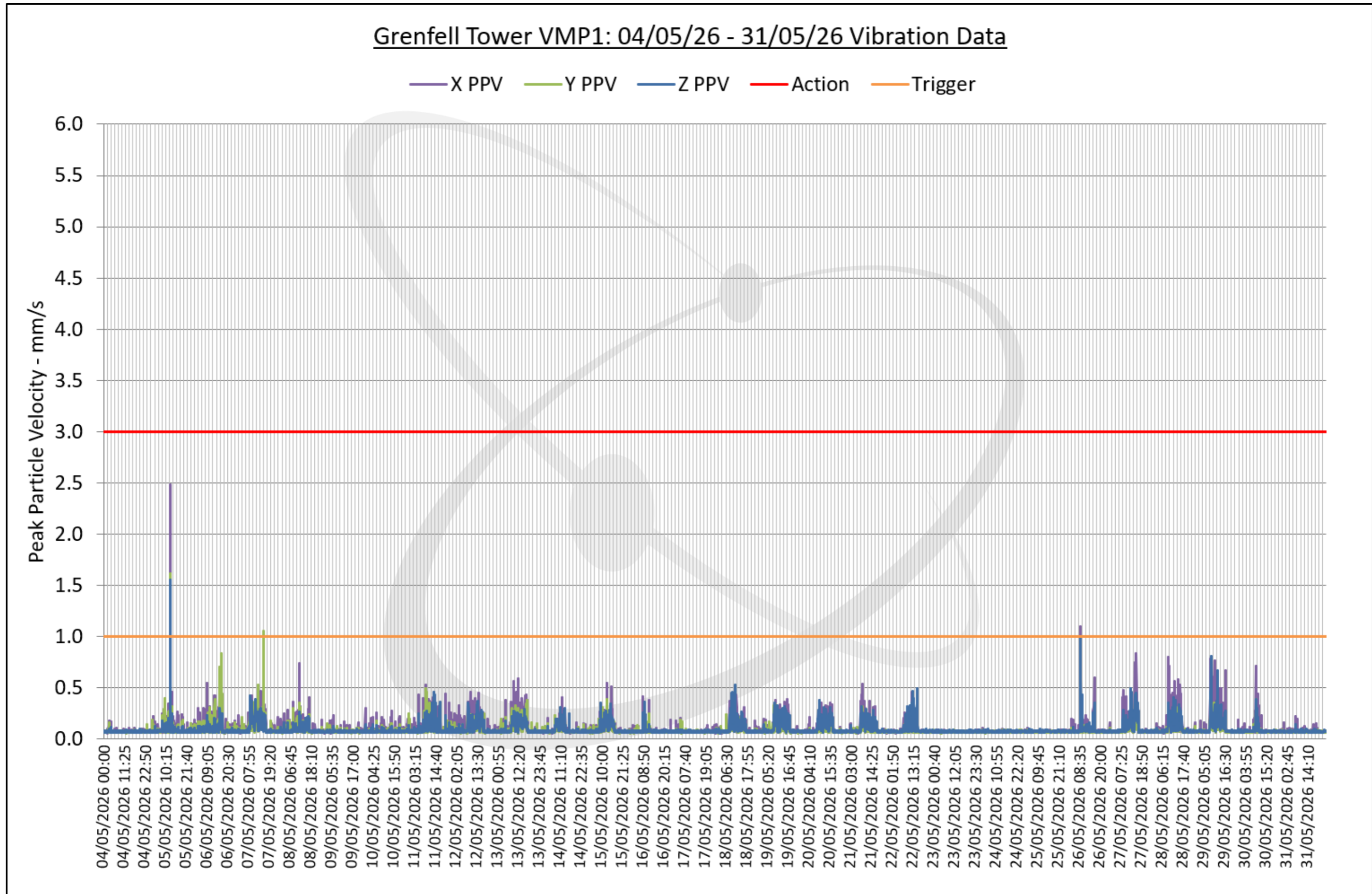
	Green Trigger Level	Amber Trigger Level	Red Action Level
VMP1 <i>Residential</i>		1 mm/s	3 mm/s
VMP2 and VMP3 <i>Commercial</i>	1 mm/s	3 mm/s	5 mm/s

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

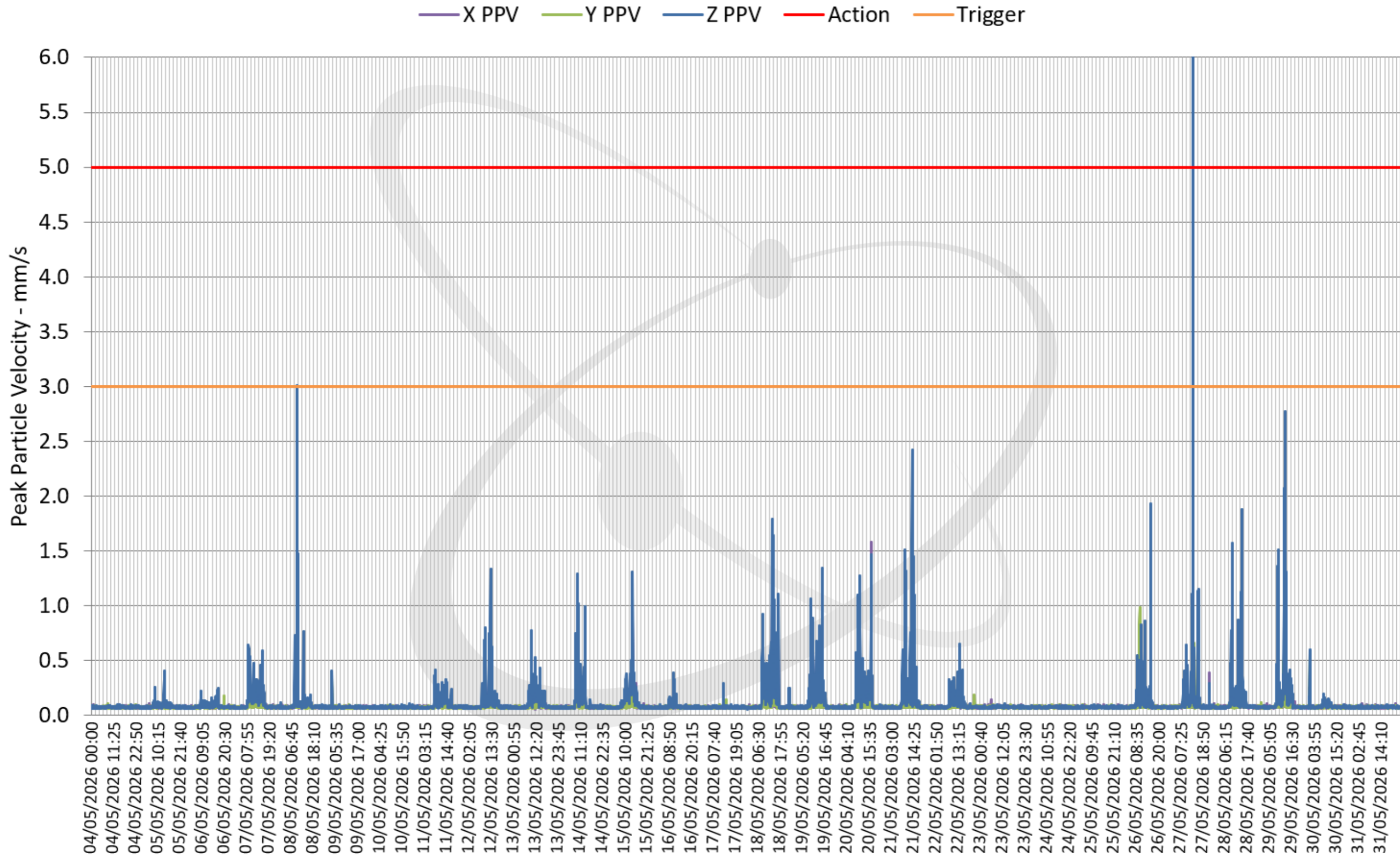
5. Measurement Results

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: 04/05/26 - 31/05/26 Vibration Data



Grenfell Tower VMP3: 04/05/26 - 31/05/26 Vibration Data

