



## Abbreviated Vibration Monitoring Reports

Monitoring Period: 02 March 2026 to 29 March 2026

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<b>Project:</b>	Grenfell Tower
<b>Document Ref:</b>	EEMC-VMR-201/107 – Grenfell Tower Rev 02
<b>Period:</b>	02 March 2026 to 29 March 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 **twenty-two (22) exceedances** of the Red Action Level 3.0mm/s and **fifty-one (51) exceedances** of the Amber Trigger level 1.0mm/s during working hours in this reporting period.

### At VMP2:

There were **no exceedances** of the Red Action level 5.0mm/s, **three (3) exceedances** of the Amber Trigger level 3.0mm/s during working hours in this reporting period.

### At VMP3:

There were **no exceedances** of the Red Action level 5.0mm/s, or 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.

There were works adjacent to VMP1 throughout this monitoring period as outlined in Tables 0.1 and 0.2, and the location of works and the monitor are shown in Image 1.

**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	02/03/2026 08:15	1.34	1.0mm/s	Scaffolding works to enable temporary propping.
	02/03/2026 08:40	1.03		
	02/03/2026 13:20	1.19		
	02/03/2026 13:50	1.63		
	02/03/2026 16:10	1.80		
	02/03/2026 16:20	1.74		
	02/03/2026 16:30	1.93		
	02/03/2026 16:35	1.23		
	02/03/2026 16:45	1.23		
	02/03/2026 16:55	2.72		
	02/03/2026 17:05	2.71		
	06/03/2026 08:25	1.10		
	06/03/2026 08:35	2.78		
	06/03/2026 08:50	1.02		
	06/03/2026 08:55	2.19		
	06/03/2026 09:00	2.88		
	06/03/2026 09:05	1.84		

	06/03/2026 09:10	1.01		
	06/03/2026 09:20	2.17		
	06/03/2026 09:30	2.99		
	06/03/2026 09:40	2.24		
	06/03/2026 09:45	1.64		
	06/03/2026 09:50	2.98		
	06/03/2026 09:55	1.69		
	06/03/2026 10:00	2.42		
	06/03/2026 10:05	1.60		
	06/03/2026 10:10	1.87		
	06/03/2026 10:15	2.23		
	06/03/2026 10:20	1.71		
	06/03/2026 10:25	1.27		
	06/03/2026 12:10	1.41		
	06/03/2026 12:15	1.62		
	06/03/2026 12:20	1.80		
	06/03/2026 12:25	2.10		
	06/03/2026 12:30	2.42		
	06/03/2026 12:50	2.74		
	06/03/2026 13:05	2.09		
	06/03/2026 13:10	1.62		
	06/03/2026 13:25	2.38		
	06/03/2026 13:30	2.66		
	06/03/2026 13:40	2.35		
	06/03/2026 15:15	2.44		
	06/03/2026 15:20	1.27		
	06/03/2026 15:55	1.65		
	06/03/2026 16:00	1.22		
	06/03/2026 16:05	1.38		
	06/03/2026 16:10	1.59		
	06/03/2026 16:15	1.13		
	09/03/2026 08:20	1.04		
	09/03/2026 08:35	1.55		
	09/03/2026 09:30	1.01		
<b>VMP2</b>	02/03/2026 12:35	4.20	3.0mm/s	Skip delivery and collection
	09/03/2026 13:20	3.03		
	27/03/2026 14:00	3.32		
<b>VMP3</b>	-	-		No exceedances

\*Exceedances outside of working hours can be explained as small mammals e.g. mice/rats/cats or foxes landing on the monitor after climbing a fence or by extreme heavy rainfall.

**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	02/03/2026 16:15	3.02	3.0mm/s	Scaffolding works to enable temporary propping and temporary propping.	Soft stripping 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.
	02/03/2026 16:25	7.99			
	02/03/2026 17:00	3.77			
	06/03/2026 08:30	4.30			
	06/03/2026 08:40	3.54			
	06/03/2026 09:15	16.63			
	06/03/2026 09:25	33.04			
	06/03/2026 09:35	3.14			
	06/03/2026 12:35	11.29			
	06/03/2026 12:40	3.31			
	06/03/2026 12:45	5.92			
	06/03/2026 12:55	19.00			
	06/03/2026 13:00	3.85			
	06/03/2026 13:15	6.12			
	06/03/2026 13:20	17.43			
	06/03/2026 13:45	4.18			
	06/03/2026 13:50	3.92			
	06/03/2026 14:50	16.88			
06/03/2026 15:00	7.38				
06/03/2026 15:05	12.58				
06/03/2026 15:10	13.64				
06/03/2026 15:45	6.12				
VMP2	-	-	5.0mm/s	No exceedances	
VMP3	-	-		No exceedances	

**Image 1 – Works Location throughout the monitoring period, adjacent to VMP1**

*Wooden box on the right hand side houses the vibration monitor – highlighted with a red box*

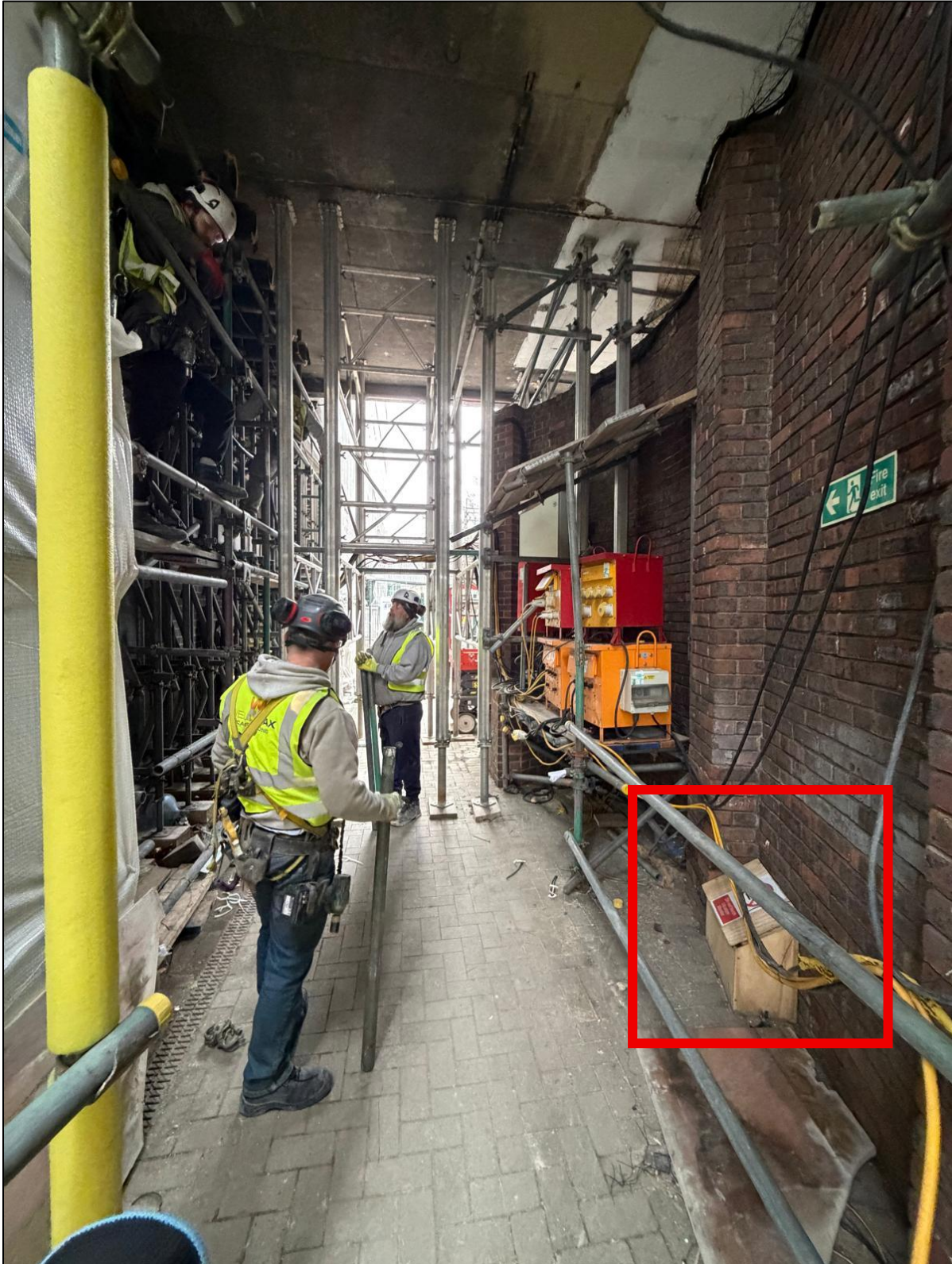


Figure 1- Map of Vibration, Dust & Vibration Monitoring Locations

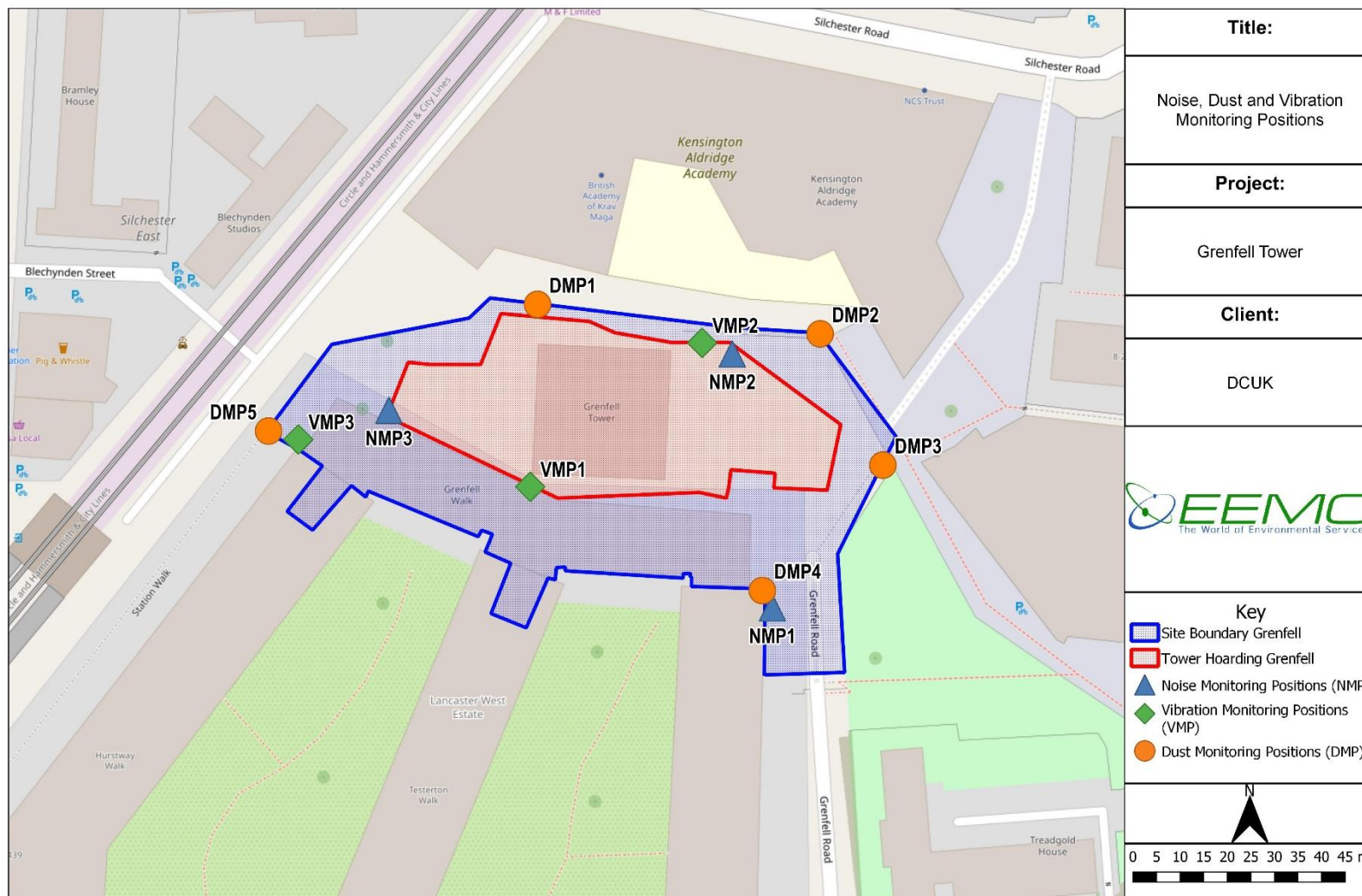


Image 2 – VMP1 Monitoring Location



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 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.

## 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**

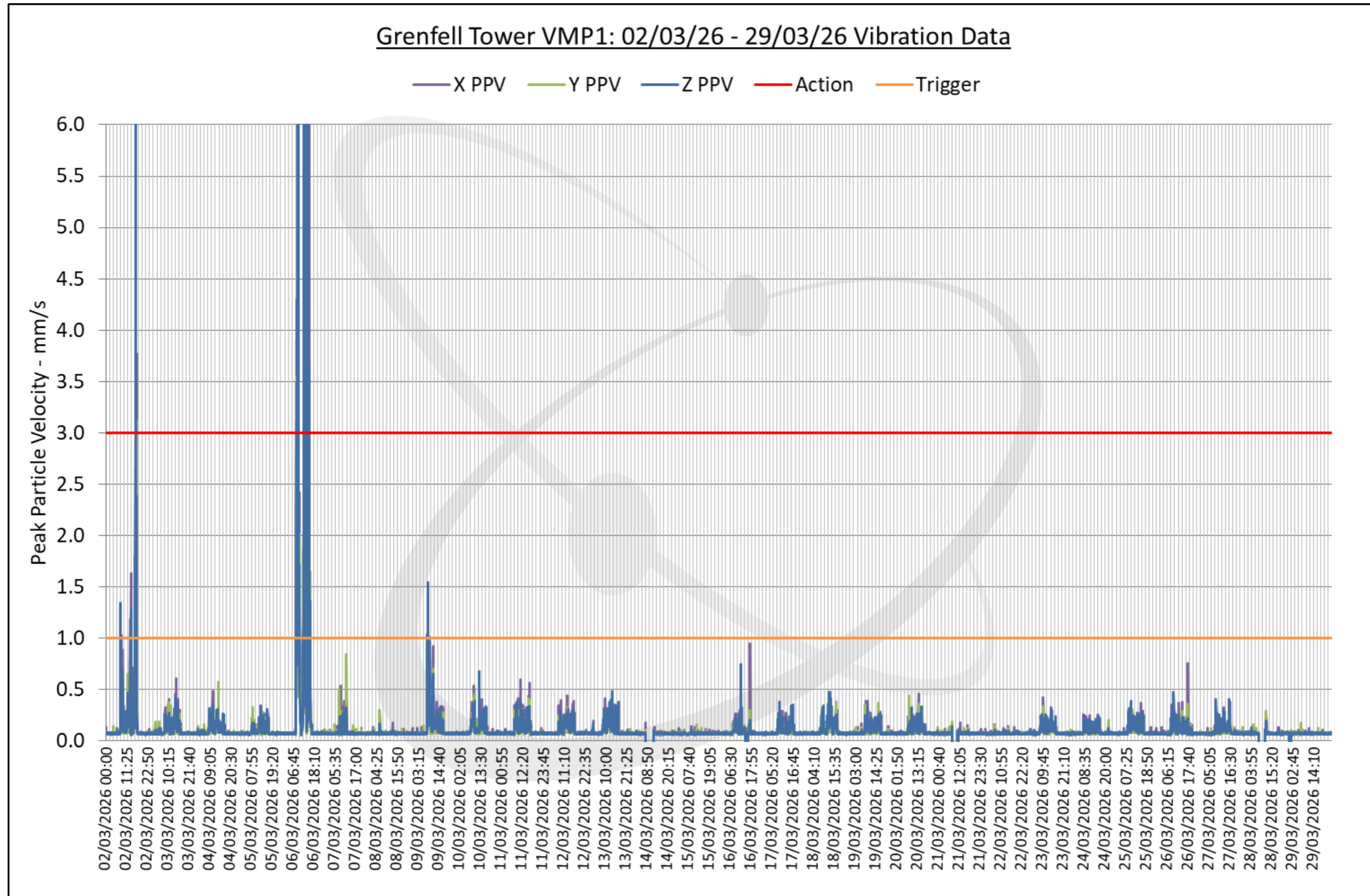
	Green Trigger Level	Amber Trigger Level	Red Action Level
<b>VMP1</b> <i>Residential</i>		1 mm/s	3 mm/s
<b>VMP2 and VMP3</b> <i>Commercial</i>	1 mm/s	3 mm/s	5 mm/s

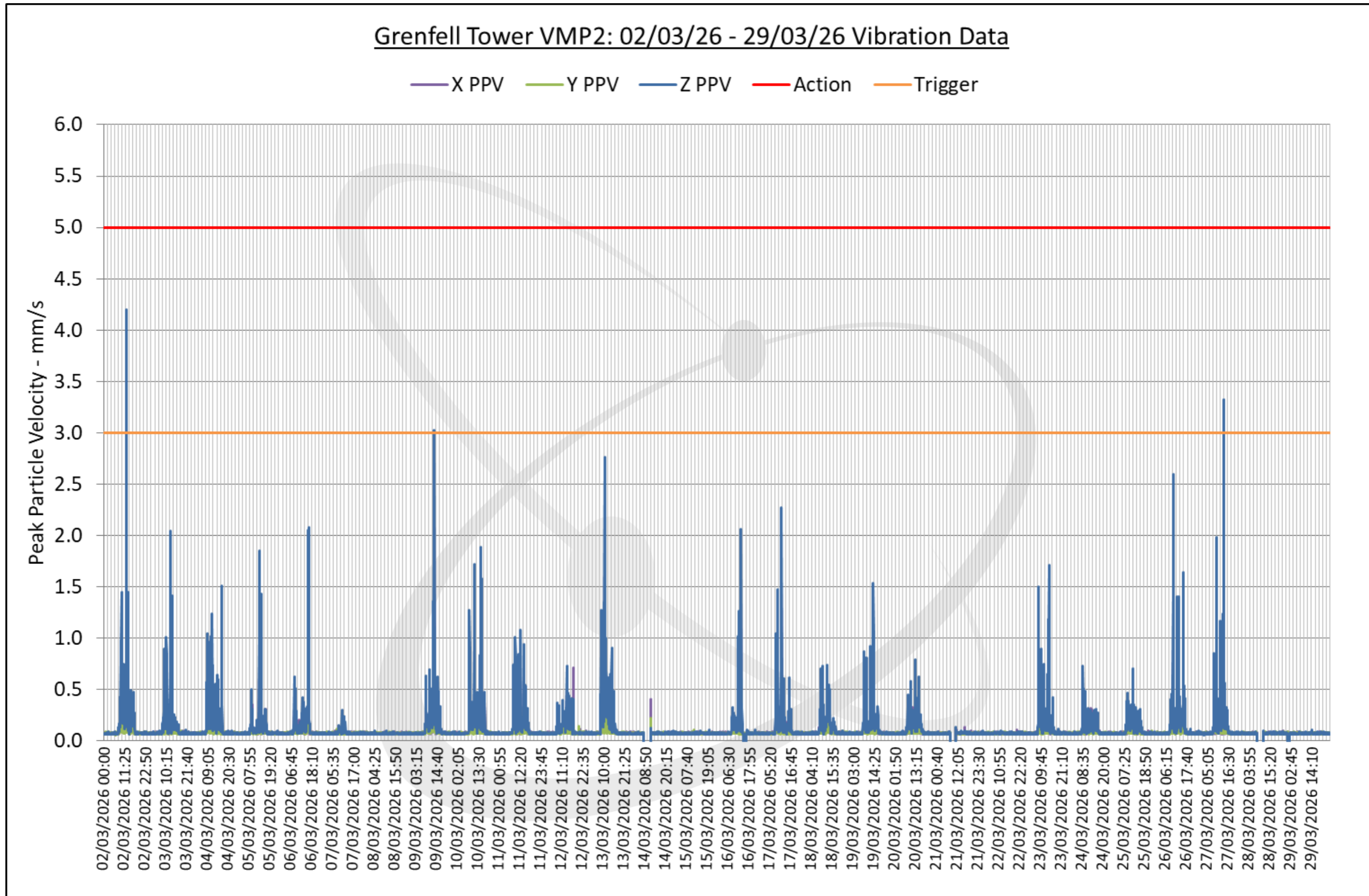
*\*Green Trigger Alerts are a pre-warning for site only. These are not actionable and therefore the green alerts are not reported on in this report. Amber are a warning for site and red alerts are exceedances which require investigation and mitigation measures.*

## 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 VMP3: 02/03/26 - 29/03/26 Vibration Data

— X PPV — Y PPV — Z PPV — Action — Trigger

