Abbreviated Vibration Monitoring Reports

Monitoring Period: 31 August 2026 to 27 September 2026

Project:	Grenfell Tower
Document Ref:	EEMC-VMR-201/113 – Grenfell Tower Rev 00
Period:	31 August 2026 to 27 September 2026

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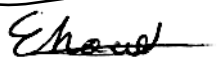
Details of Vibration Monitor at Receptor Points VMP1 – VMP3

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 was **one (1) exceedance** of the 3.0mm/s Red Action level and **five (5) exceedances** of the 1.0mm/s Amber Trigger level during working hours in this reporting period.

VMP2:
There were **no exceedances** of the 5.0mm/s Red Action level and **seven (7) 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	02/09/2026 16:40	2.68	1.0mm/s	This exceedance is likely to have been caused by DCUK operatives clearing this area. There is also an ongoing issue with foxes on site, which have made a den on top of the scaffold directly above the sensor and have been walking on top of the protective box. This may also contribute to occasional readings.
	07/09/2026 10:20	1.02		Suspected to be caused by animal activity within the sensor protection box.
	08/09/2026 13:05	1.50		The alarm was triggered due to Beam lighting replacement work in the area. One of the workers from the company replacing the lighting accidentally kicked the wooden box containing the sensor.
	10/09/2026 13:15	1.11		Triggered due to scaffolders working in this area.
	18/09/2026 09:15	1.33		A check of the sensor and its protective box was undertaken in

				light of the fox den that was discovered in the immediate area. The check was to ensure everything was still in good condition. The sensor was accidentally disturbed during this check causing the exceedance.
VMP2	02/09/2026 09:25	3.86	3.0mm/s	Loading metal skips with a 14T machine
	02/09/2026 14:15	3.30		
	15/09/2026 10:15	3.64		14T digger loading props from one skip to another
	18/09/2026 09:45	3.17		14T digger loading props to 40-yard bin
	18/09/2026 15:45	4.07		
	24/09/2026 09:35	3.38		Due 14T digger loading skip with metal props
	25/09/2026 13:55	4.81		
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	15/09/2026 09:55	3.39	3.0mm/s	Triggered by the DCUK team's actions while they were replacing the flat hose of the dewatering pump (the so-called "puddle pump"). This hose runs from the basement to street level (ground floor).	The workers have been re-instructed not to disturb the sensor while works are carried out nearby.
VMP2	-	-	5.0mm/s	-	-
VMP3	-	-		-	-

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

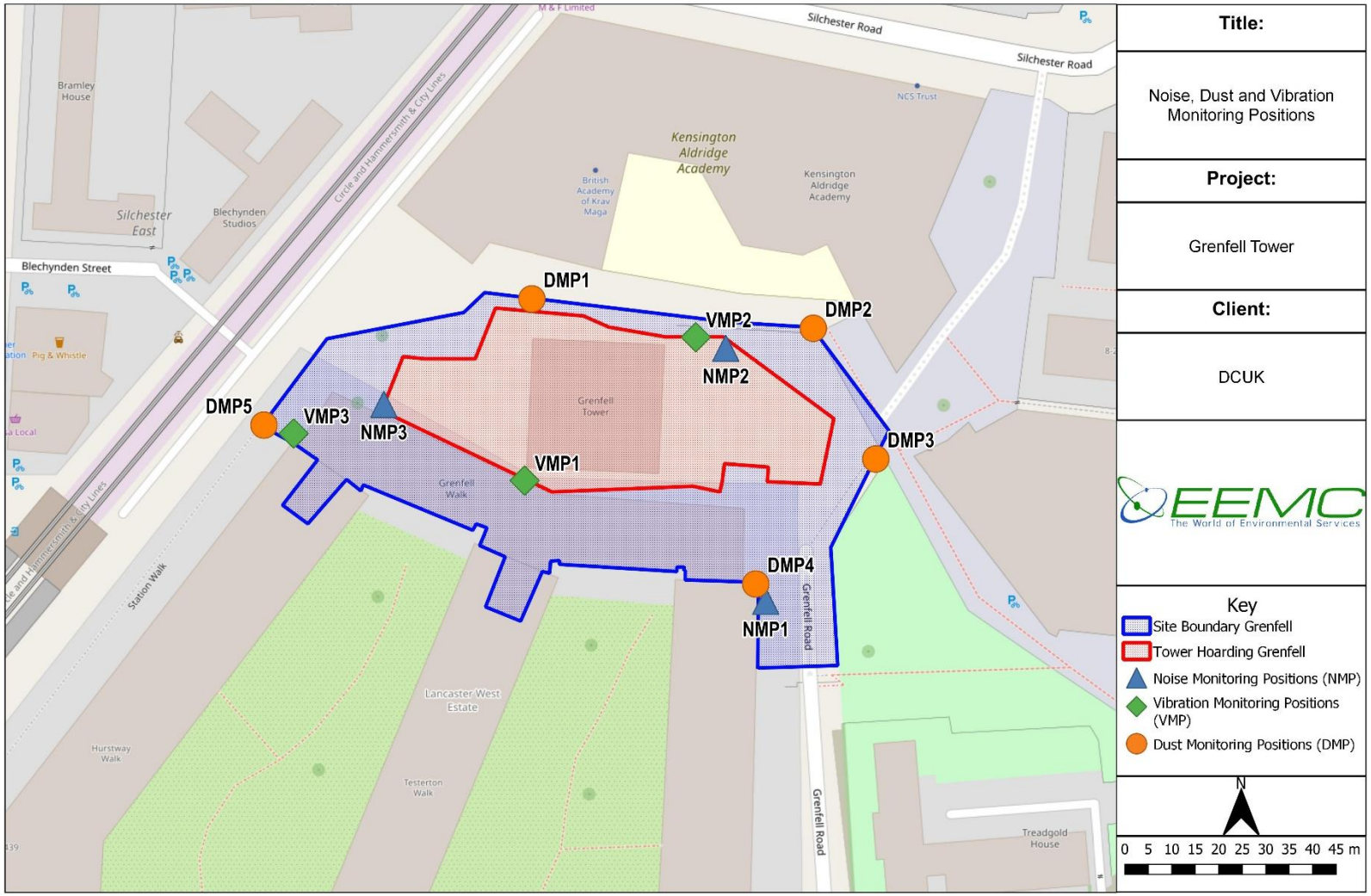


Image 1 – VMP1 Monitoring Location



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 31 August 2026 to 27 September 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

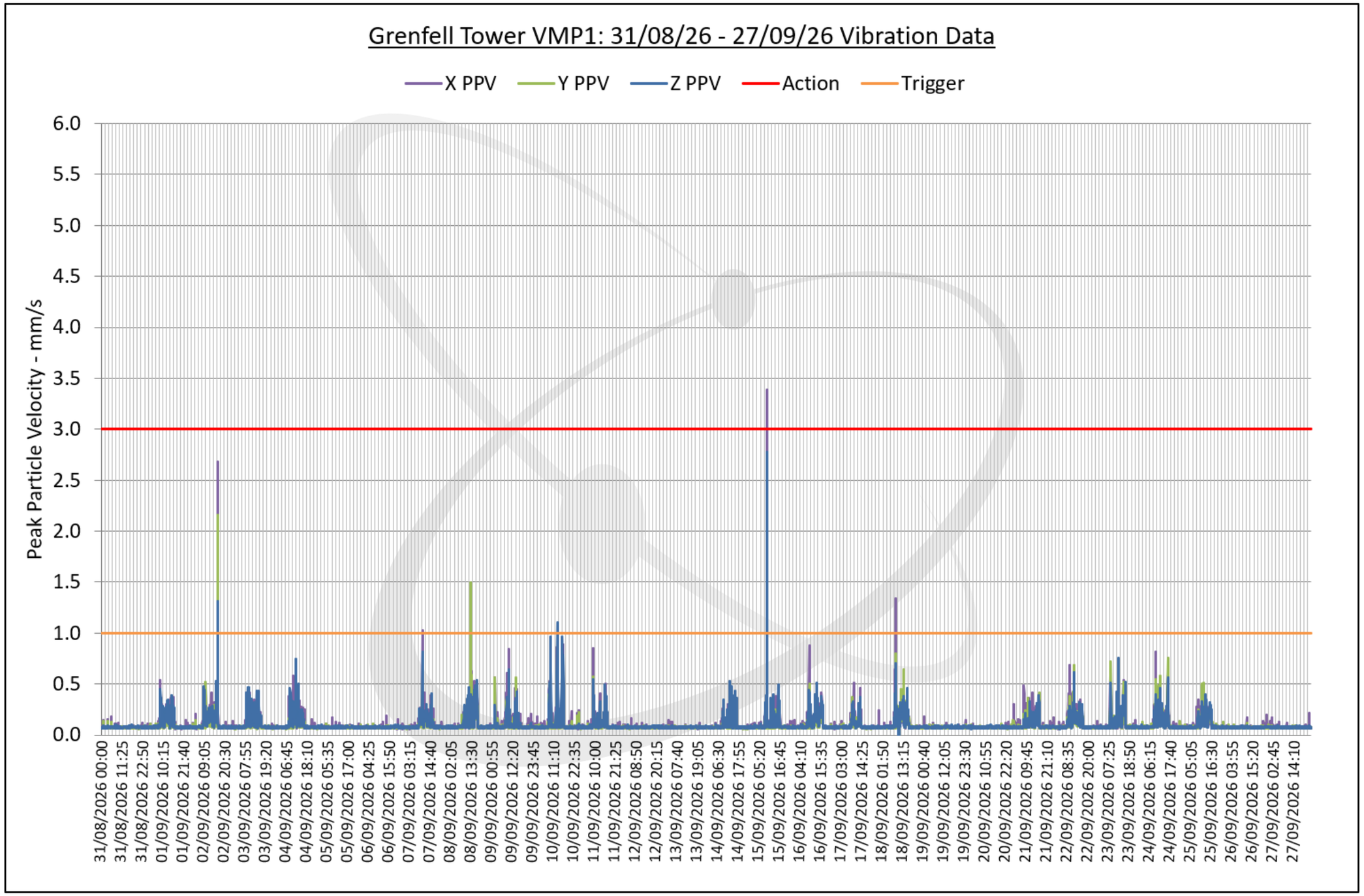
	Green Trigger Level	Amber Trigger Level	Red Action Level
VMP1 *Residential*		1 mm/s	3 mm/s
VMP2 and VMP3 *Commercial*	1 mm/s	3 mm/s	5 mm/s

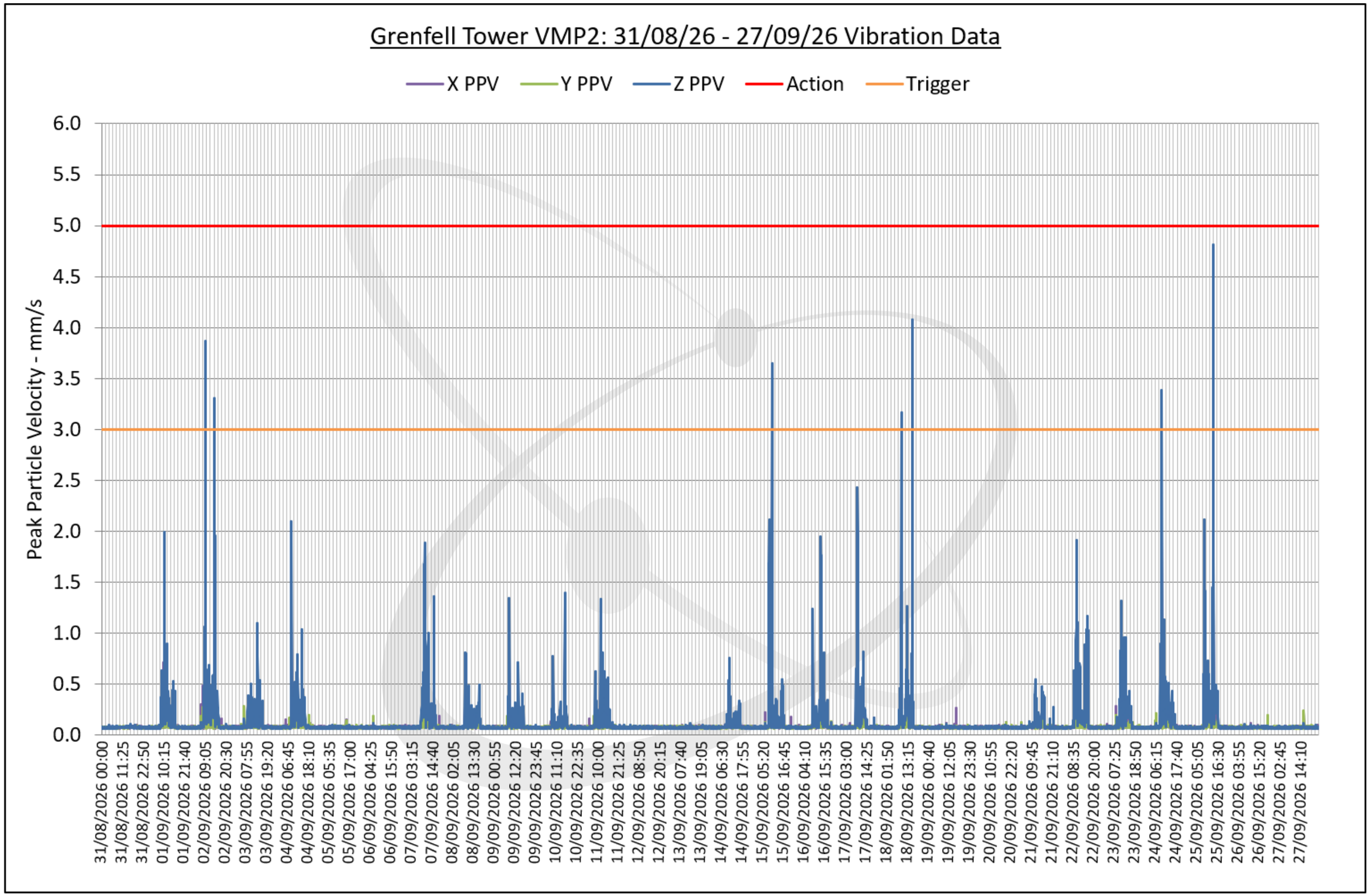
**Green Trigger Alerts are a pre-warning for site only. These are not actionable, and therefore the green alerts are not reported in this report. Amber alerts are a warning for the site, and red alerts are exceedances which require investigation and mitigation measures.*

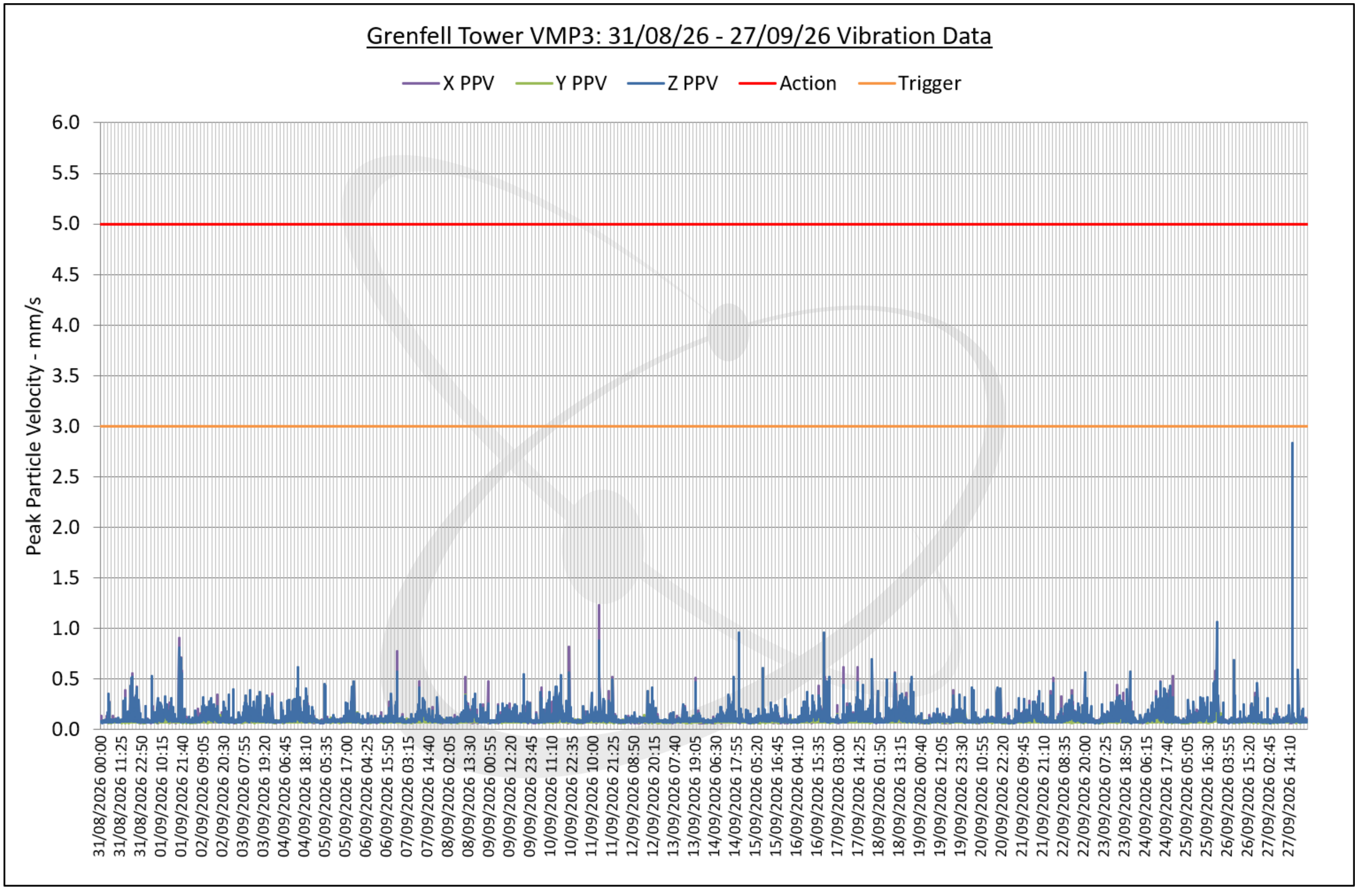
5. Measurement Results

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: 31/08/26 - 27/09/26 Vibration Data
X PPV
Y PPV
Z PPV
Action
Trigger
Peak Particle Velocity - mm/s
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
31/08/2026 00:00
31/08/2026 11:25
31/08/2026 22:50
01/09/2026 10:15
01/09/2026 21:40
02/09/2026 09:05
02/09/2026 20:30
03/09/2026 07:55
03/09/2026 19:20
04/09/2026 06:45
04/09/2026 18:10
05/09/2026 05:35
05/09/2026 17:00
06/09/2026 04:25
06/09/2026 15:50
07/09/2026 03:15
07/09/2026 14:40
08/09/2026 02:05
08/09/2026 13:30
09/09/2026 00:55
09/09/2026 12:20
09/09/2026 23:45
10/09/2026 11:10
10/09/2026 22:35
11/09/2026 10:00
11/09/2026 21:25
12/09/2026 08:50
12/09/2026 20:15
13/09/2026 07:40
13/09/2026 19:05
14/09/2026 06:30
14/09/2026 17:55
15/09/2026 05:20
15/09/2026 16:45
16/09/2026 04:10
16/09/2026 15:35
17/09/2026 03:00
17/09/2026 14:25
18/09/2026 01:50
18/09/2026 13:15
19/09/2026 00:40
19/09/2026 12:05
19/09/2026 23:30
20/09/2026 10:55
20/09/2026 22:20
21/09/2026 09:45
21/09/2026 21:10
22/09/2026 08:35
22/09/2026 20:00
23/09/2026 07:25
23/09/2026 18:50
24/09/2026 06:15
24/09/2026 17:40
25/09/2026 05:05
25/09/2026 16:30
26/09/2026 03:55
26/09/2026 15:20
27/09/2026 02:45
27/09/2026 14:10


Grenfell Tower VMP3: 31/08/26 - 27/09/26 Vibration Data
X PPV
Y PPV
Z PPV
Action
Trigger
Peak Particle Velocity - mm/s
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
31/08/2026 00:00
31/08/2026 11:25
31/08/2026 22:50
01/09/2026 10:15
01/09/2026 21:40
02/09/2026 09:05
02/09/2026 20:30
03/09/2026 07:55
03/09/2026 19:20
04/09/2026 06:45
04/09/2026 18:10
05/09/2026 05:35
05/09/2026 17:00
06/09/2026 04:25
06/09/2026 15:50
07/09/2026 03:15
07/09/2026 14:40
08/09/2026 02:05
08/09/2026 13:30
09/09/2026 00:55
09/09/2026 12:20
09/09/2026 23:45
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