

Memorandum

ARUP

To	Travis Searle	Date	28 September 2021
Copies	Samuel Grieve	Reference number	
From	Pranav Rawal	File reference	
Subject	Campbelltown Hospital Redevelopment: Summary of Recently Recorded Vibration Data		

This memo summarises the vibration data collected over the past week of 19/09/2021 to 25/09/2021 at the Medical Imaging Facility at Campbelltown Hospital.

Figure 1 below shows the measured vibration levels at the Medical Imaging Facility and is presented against various acceptability criteria. For reference, the current trigger level, based on typical equipment is $V_{RMS} = 0.0375$ mm/s.

Note that the exceedances seen on the 22/09/2021 are due to the seismic event in Victoria, and have not resulted from works carried out at the Hospital.

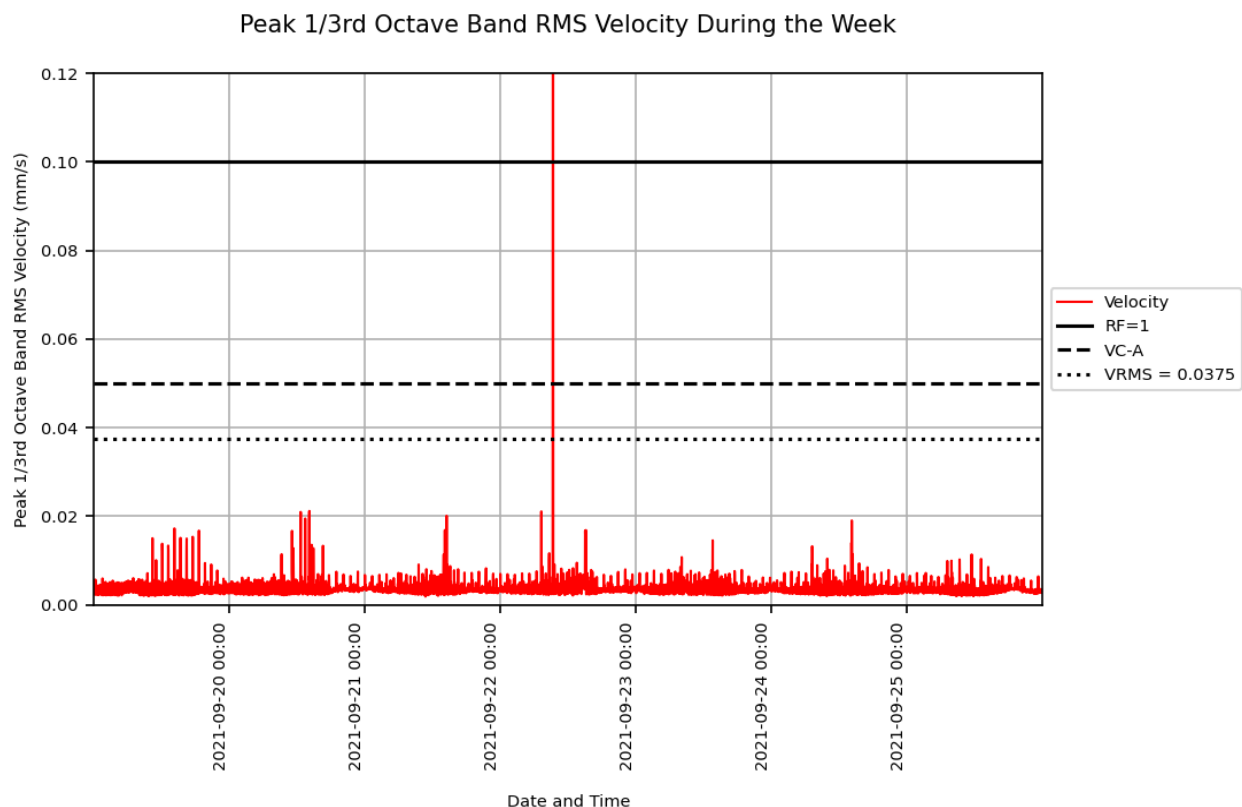


Figure 1: Measured vibration levels for 19/09/2021 to 25/09/2021 at the Medical Imaging Facility

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All events that exceed the trigger level during the monitored period are reported below.

Table 1: Table of events exceeding acceptability criteria (note that both these exceedances are attributed to the seismic event in Victoria)

Date	Peak 1/3rd Octave Band V_{RMS} Vibration Level (mm/s)
22/09/2021 09:16	0.1285
22/09/2021 09:18	0.1848

Further investigations of vibration patterns at times of exceedances can be performed upon request.