

Memorandum

ARUP

To	Travis Searle	Date	16 December 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 05/12/2021 to 11/12/2021 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.

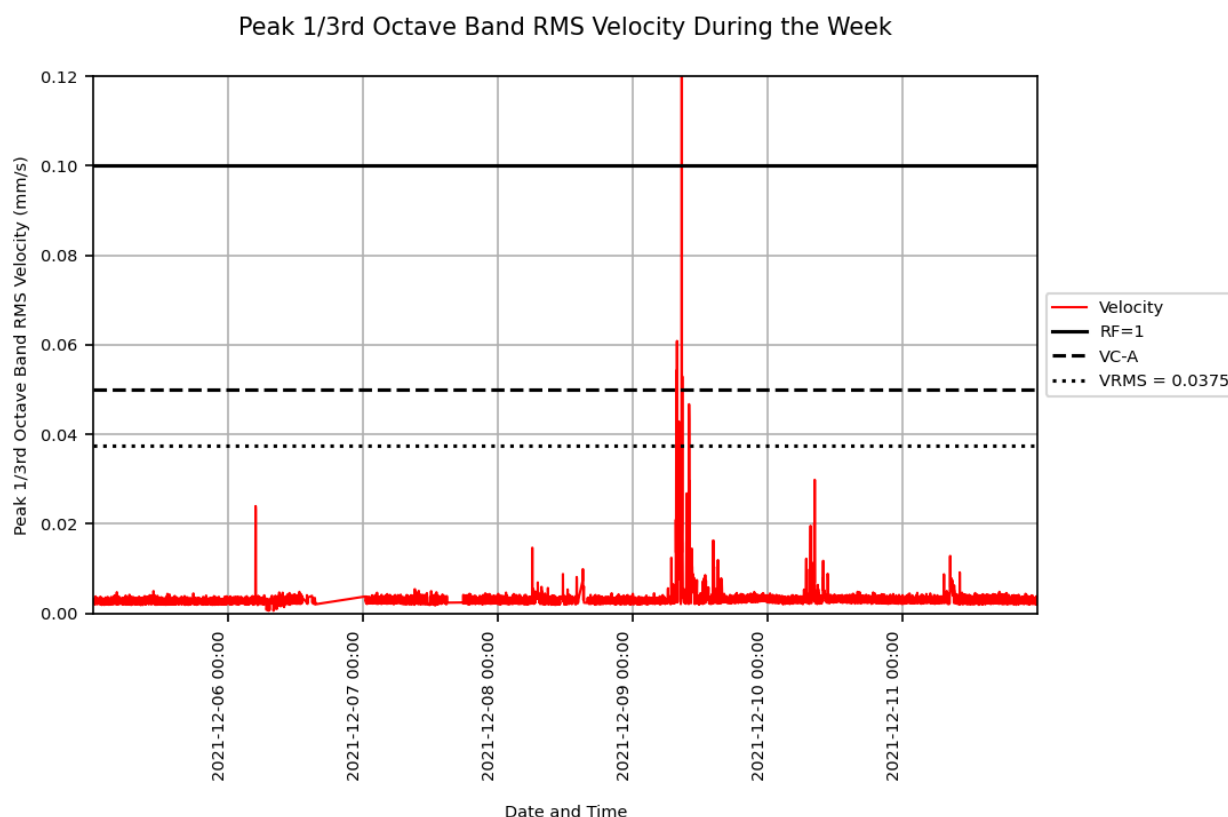


Figure 1: Measured vibration levels for 05/12/2021 to 11/12/2021 at the Medical Imaging Facility

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

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Table 1: Table of events exceeding acceptability criteria

Date	Peak 1/3rd Octave Band V_{RMS} Vibration Level (mm/s)
09/12/2021 07:42	0.0456
09/12/2021 07:46	0.0543
09/12/2021 07:50	0.0608
09/12/2021 08:10	0.0429
09/12/2021 08:40	22.2820
09/12/2021 08:46	0.0529
09/12/2021 09:58	0.0467
09/12/2021 10:00	0.0432

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