

Memorandum

ARUP

To	Travis Searle	Date	04/01/2022
Copies	Samuel Grieve	Reference number	267798-03
From	Pranav Rawal		
Subject	Campbelltown Hospital Redevelopment– Medical Imaging Facility: Summary of Recently Recorded Vibration Data		

This memo summarises the vibration data collected over the past week of 19/12/2021 to 25/12/2021 at the Medical Imaging Facility at Campbelltown Hospital Redevelopment.

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.

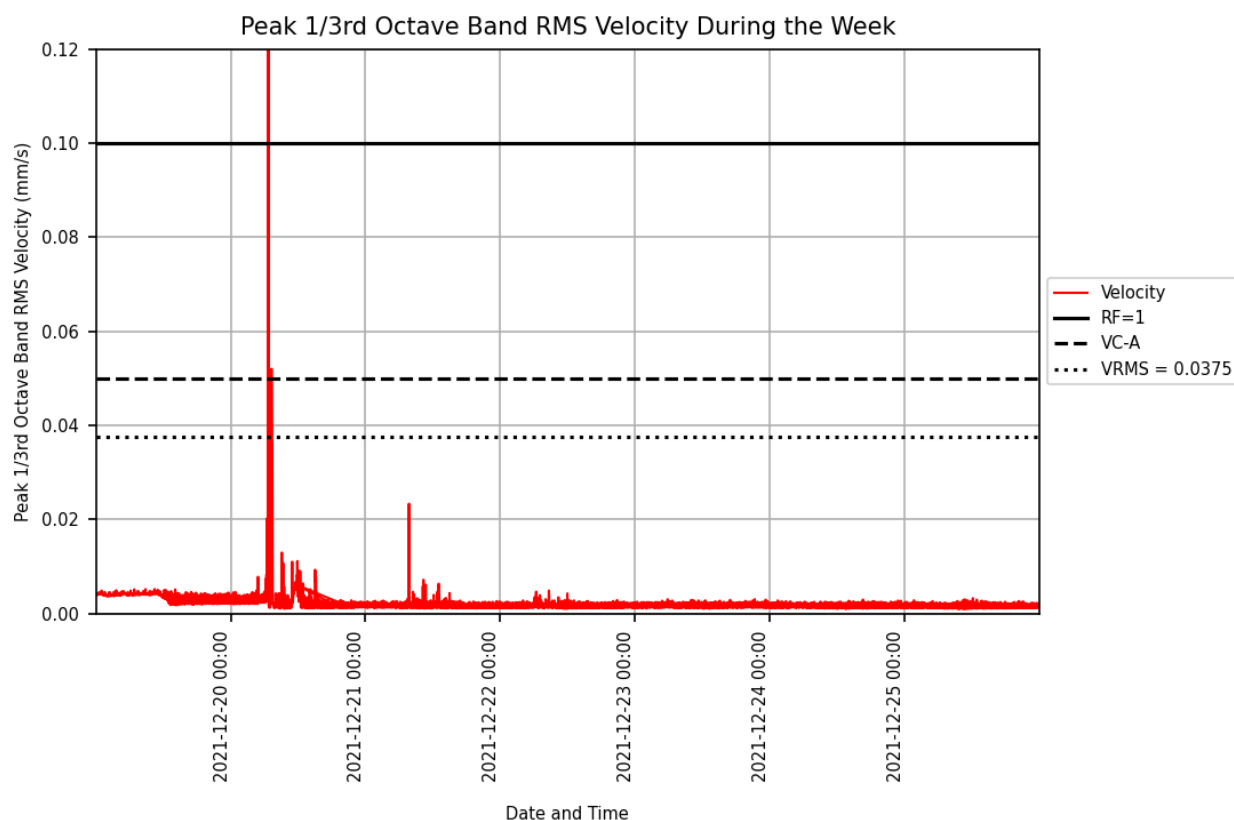


Figure 1: Measured vibration levels for 19/12/2021 to 25/12/2021 at the Medical Imaging Facility.

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)
20/12/2021 06:40	0.0580
20/12/2021 06:42	39.3725
20/12/2021 07:07	0.0482
20/12/2021 07:11	0.0441
20/12/2021 07:17	0.0520
20/12/2021 07:19	0.0436

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