

Memorandum

ARUP

To	Travis Searle	Date	19/04/2021
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 11/04/2021 to 17/04/2021 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.

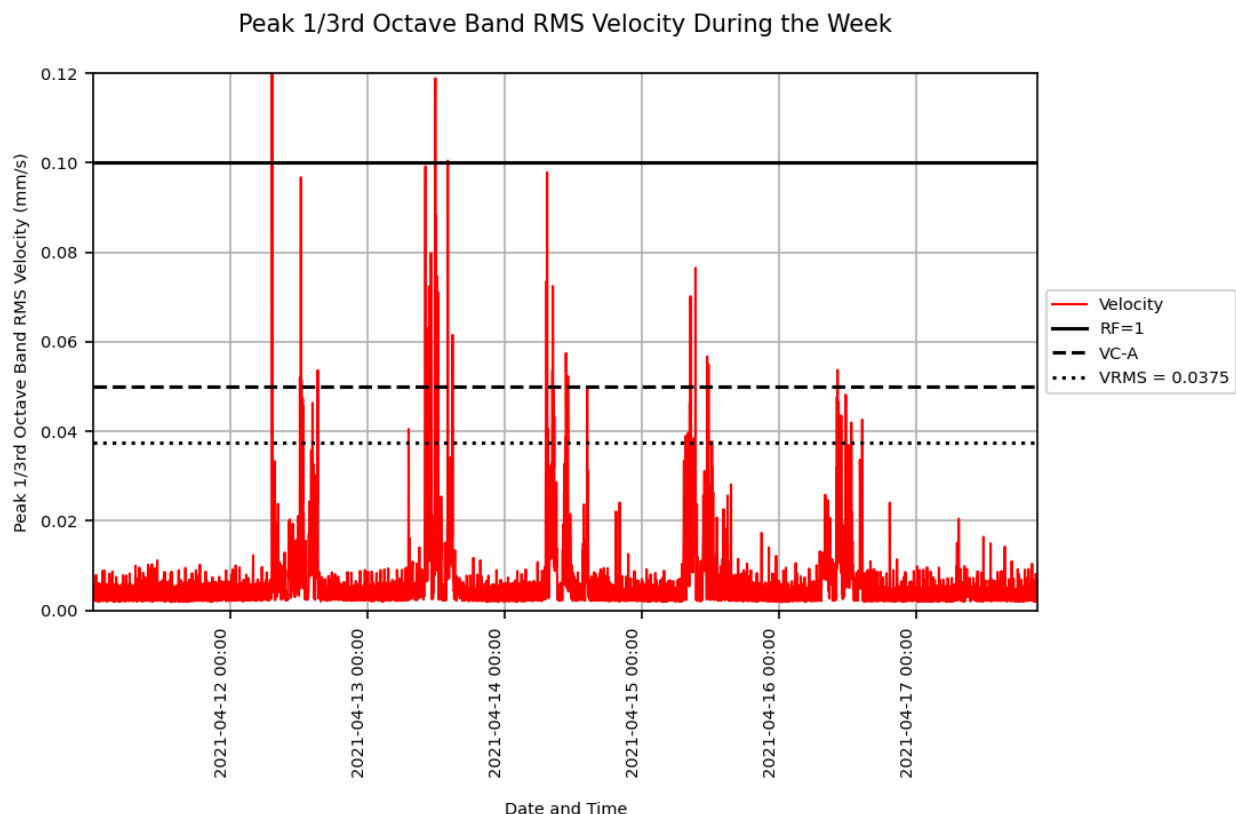


Figure 1: Measured vibration levels for 11/04/2021 to 17/04/2021 at the Medical Imaging Facility

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

Memorandum

Table 1: Table of events exceeding acceptability criteria

Date	Peak 1/3rd Octave Band V_{RMS} Vibration Level (mm/s)
12/04/2021 07:13	0.0962
12/04/2021 07:15	0.1266
12/04/2021 07:17	0.0946
12/04/2021 07:19	0.0568
12/04/2021 12:08	0.0520
12/04/2021 12:10	0.0400
12/04/2021 12:18	0.0967
12/04/2021 12:24	0.0515
12/04/2021 12:36	0.0474
12/04/2021 12:40	0.0458
12/04/2021 14:21	0.0464
12/04/2021 15:15	0.0537
13/04/2021 07:10	0.0405
13/04/2021 10:02	0.0441
13/04/2021 10:04	0.0896
13/04/2021 10:06	0.0992
13/04/2021 10:08	0.0580
13/04/2021 10:34	0.0630
13/04/2021 10:44	0.0724
13/04/2021 10:46	0.0581
13/04/2021 10:48	0.0542
13/04/2021 10:51	0.0432
13/04/2021 10:59	0.0418
13/04/2021 11:01	0.0467
13/04/2021 11:03	0.0687
13/04/2021 11:05	0.0798
13/04/2021 11:07	0.0758
13/04/2021 11:09	0.0692
13/04/2021 11:11	0.0593
13/04/2021 11:13	0.0409
13/04/2021 11:49	0.1144
13/04/2021 11:51	0.1188
13/04/2021 11:53	0.0604
13/04/2021 11:55	0.0882

Memorandum

13/04/2021 11:57	0.0426
13/04/2021 12:01	0.0453
13/04/2021 12:03	0.0602
13/04/2021 12:05	0.0425
13/04/2021 12:09	0.0746
13/04/2021 12:13	0.0534
13/04/2021 12:17	0.0617
13/04/2021 12:19	0.0710
13/04/2021 14:01	0.1004
13/04/2021 14:51	0.0615
14/04/2021 07:14	0.0401
14/04/2021 07:18	0.0736
14/04/2021 07:25	0.0978
14/04/2021 07:31	0.0406
14/04/2021 08:21	0.0537
14/04/2021 08:25	0.0724
14/04/2021 08:29	0.0467
14/04/2021 08:35	0.0494
14/04/2021 08:39	0.0432
14/04/2021 10:39	0.0387
14/04/2021 10:43	0.0575
14/04/2021 10:45	0.0472
14/04/2021 10:59	0.0499
14/04/2021 11:03	0.0523
14/04/2021 14:26	0.0499
15/04/2021 07:39	0.0390
15/04/2021 08:05	0.0396
15/04/2021 08:23	0.0464
15/04/2021 08:31	0.0702
15/04/2021 08:59	0.0380
15/04/2021 09:05	0.0384
15/04/2021 09:23	0.0765
15/04/2021 11:26	0.0567
15/04/2021 11:40	0.0549
15/04/2021 12:16	0.0378
16/04/2021 10:10	0.0478
16/04/2021 10:16	0.0537

Memorandum

16/04/2021 10:20	0.0416
16/04/2021 10:26	0.0465
16/04/2021 10:32	0.0432
16/04/2021 10:54	0.0436
16/04/2021 11:42	0.0482
16/04/2021 12:41	0.0420
16/04/2021 14:35	0.0426

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