

Vibration Monitoring Data-Monthly Summary

Month and Year:	Jul-21					
Project:	Central Station Main Works					
EPL Licence Number:	21148					
EPL Web link:	https://centralstationmetro.com/documents/					
Specific EPL Monitoring Condition:	M7.2- Vibration Monitoring					
Monitoring Location:	Number of Monitoring Events during the Month	Attended/Continuous Monitoring	Event Based Monitoring? (Y/N)	Measured Parameter: Peak Particle Velocity (PPV) (mm/s)	Predicted Parameter: Peak Particle Velocity (PPV) (mm/s)	Comment
TCAC AKA. CEB (Central Electric Building)	0	Continuous	NA	NA	NA	NA
Sydney Dental Hospital	1	Continuous	Y	Elevated levels observed: 02/07 between 08:00 and 16:50, max 2.3mm/s	Project Screening criteria <25mm/s Target <25mm/s (based on activity)	Location of monitoring: Sydney Dental Hospital southern basement stairs. Logger was set up to monitor detailed breaking works happening at 20-28 Chalmers St 29/6/21 until 05/07/2021. No vibration levels above the BS 7385 criteria for reinforced or framed structures for industrial and heavy commercial buildings of 50mm/s observed.
20-28 Chalmers St	0	Continuous	NA	NA	NA	NA

Definitions

Attended: Operator attended measure at either the façade of sensitive receiver, internal dwelling of a sensitive receiver or at a location of interest, typically in anticipation of an event.

Continuous: Real time vibration data recording the peak within a 1 min intervals, 24/7.

Event: The peak particle velocity (PPV) measured in mm/s of any measuring interval either during attended monitoring or a period of interest reviewed from the continuous data. The period is typically selected to monitor works as the works occur, or to validate predictions of planned works, or in response to a complaint, or due to an unexplained elevated PPV in the continuous data noise trace.