

Vibration Monitoring Data-Monthly Summary						
Month and Year:	Aug-20					
Project:	Central Station Main Works					
EPL Licence Number:	21148					
EPL Weblink:	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	1	Continuous	Y	3.53mm/s	<7.5mm/s	Vibration intensive works in the northern concourse were minimal in nature with very few demolition activities occurring throughout August 2020. All recorded vibration events were < 7.5mm/s, with the highest recorded being 3.53mm/s.
30 Chalmers St	1	Continuous	Y	11.76mm/s	<25mm/s	The works at the Eastern Entrance throughout August 2020 consisted of the removal of excavated shale using a crane, canopy tube drilling, waterproofing and concrete pours. Works were typically low impact with the highest peak recorded being 11.76mm/s, of which was attributed to a localised bump.
Definitions						
<p>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.</p> <p>Continuous: Real time vibration data recording the peak within a 1 min intervals, 24/7.</p> <p>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.</p>						