

Noise Monitoring Data-Monthly Summary

Month and Year:	May-21					
Project:	Central Station Main Works					
EPL Licence Number:	21148					
EPL Web link:	https://centralstationmetro.com/documents/					
Specific EPL Monitoring Condition:	M7.1- Noise Monitoring					
Monitoring Location:	Number of Monitoring Events during the Month	Attended/Continuous Monitoring	Event Based Monitoring? (Y/N)	Measured Parameter: LAeq15mins (dB)	Predicted Parameter: LAeq15mins (dB)	Comment
Chalmers St	6 day 21 night	Continuous	Yes	<p>Max night Works (OOHW) Noise recorded was 75dB, typically <70dB associated with WE47 Possession works.</p> <p>Max day noise recorded was 86.3dB during breaking activity during heavy rain</p>	<p>Predicted Parameter = 60 dB for works during night and evening OOHW on the suburban platforms throughout the month, 75dB predicted for WE47 (21-24 May 2021) works on Platform 22/23.</p> <p>20-28 Chalmers St (Eastern Entrance) works predicted to be 81dB in standard construction hours during excavation and breaking activities.</p>	<p>Night and Evening OOH General surface (behind hoarding) and subsurface OOH work throughout the month consisted of excavation works associated with the Central Walk and platforms works. Other evening works included the tower crane installation at Eastern Entrance. Night time and evening OOH predictions validated. All at source noise mitigation and required additional mitigation measures were in place throughout the month of May.</p> <p>Day Noise data was reviewed to validate the predictions for rock breaking and associated activities at the Eastern Entrance. The noise levels were within the CNVIS predictions for the majority of the month, however exceeded at the real time noise logger (conservatively representative of the facade of the sensitive receivers) on 2 dates (6/5/21 and 12/5/21) during breaking activities for individual LAeq15min periods. This did not result in associated ground borne noise, or the exceedance of internal noise levels. Respite and duration limits observed. All feasible and reasonable noise mitigation measures were in place, without the potential for increasing the duration over several days.</p> <p>For this activity the timing of the works was selected to occur during standard construction hours and within the allowable period for high noise impact, and respite periods were observed. The plant is new, well maintained and serviced regularly.</p>
YHA	3 day 1 evening 6 night	Continuous	Yes	<p>Maximum OOHW Noise Recorded = 93dB (not associated with CSM works)</p>	<p>Maximum OOHW Prediction = 68dB for the YHA</p>	<p>Noise recordings indicated that the noise levels measured were attributed to the noise generated by trains idling on the Intercity Platforms.</p>
Regent St	4	Continuous	Yes	<p>Max OOH = 68.6dB</p>	<p>66dB</p>	<p>Truck movements on SYAB. Peak of 68.6dB - attributed to trains going past as well as truck movements.</p>
<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 noise data recorded in 15min intervals, 24/7 and represents the noise levels at the facade of sensitive receivers.</p> <p>Event: A LAeq15min period of either 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 LAeq15min period in the continuous data noise trace.</p>						