

**Noise Monitoring Data-Monthly Summary**

<b>Month and Year:</b>	Jun-21					
<b>Project:</b>	Central Station Main Works					
<b>EPL Licence Number:</b>	21148					
<b>EPL Web link:</b>	<a href="https://centralstationmetro.com/documents/">https://centralstationmetro.com/documents/</a>					
<b>Specific EPL Monitoring Condition:</b>	M7.1- Noise Monitoring					
<b>Monitoring Location:</b>	<b>Number of Monitoring Events during the Month</b>	<b>Attended/Continuous Monitoring</b>	<b>Event Based Monitoring? (Y/N)</b>	<b>Measured Parameter: LAeq15mins (dB)</b>	<b>Predicted Parameter: LAeq15mins (dB)</b>	<b>Comment</b>
Chalmers St	4 day 2 evening 25 night	Continuous	Yes	<p>Night: Max night works (OOHW) noise recorded was 75dB (not associated with CSM works). Typically &lt;70dB (65dB on average) throughout the month.</p> <p>Evening: Max evening works (OOHW) noise recorded was 66dB during WE50 Possession works.</p> <p>Day: Max day noise recorded was 80dB due to emergency response vehicle in area.</p>	<p>Predicted Parameter = 65 dB for works during night and evening OOHW on the suburban platforms throughout the month.</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. Night time and evening OOH predictions validated. All at source noise mitigation and required additional mitigation measures were in place throughout the month of June.</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 entirety of the month, and did not exceed at the real time noise logger (conservatively representative of the facade of the sensitive receivers). Respite and duration limits were observed throughout the month. All feasible and reasonable noise mitigation measures were in place, without the potential for increasing the duration over several days. Over all, the impacts were significantly reduced with less breaking works occurring and more water proofing steel and concrete works.</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>
Railway Institute Drive	1 day	Attended	Yes	72dB on street level on Chalmers St	Predicted Parameter = 75dB predicted for 33kv underbore works at Railway Institute Drive.	<p>Day Attended noise data was reviewed to validate the predictions for 33kv underbore works at Railway Institute Drive. The noise levels were within the predictions. 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	5 day 1 night	Attended/Continuous Monitoring	Yes	Maximum OOHW Noise Recorded = 86dB (not associated with CSM works)	Maximum OOHW Prediction = 68dB for the YHA during day works, 75dB predicted for WE50 (11-15 June 2021) works on Platforms 8/9.	Noise recordings indicated that the noise levels measured were attributed to the noise generated by trains idling on the Intercity Platforms. Attended monitoring during the possession works indicates works were within predictions.
Regent St	3	Continuous	Yes	Max OOH = 72.6dB	66dB	Truck movements on SYAB and railway maintenance works not associated with CSM. Peak of 73dB - attributed to multiple possession works and companies occurring simultaneously - trucks, hi rail on track.
<p><b>Attended:</b> 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><b>Continuous:</b> Real time noise data recorded in 15min intervals, 24/7 and represents the noise levels at the facade of sensitive receivers.</p> <p><b>Event:</b> 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>						