

**Noise Monitoring Data-Monthly Summary**

<b>Month and Year:</b>	Jan-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	37 (11 day and 26 night)	Continuous	Yes	Max night Works (OOHW) Noise recorded was 72.6dB, typically <70dB  Max day noise recorded was 79.2dB during breaking activity	Predicted Parameter = 73 dB for general works during night OOHW on the suburban platforms throughout the month.  20-28 Chalmers St (Eastern Entrance) works predicted to be 81dB in standard construction hours during excavation and breaking activities.	Night OOH General surface (behind hoarding) and subsurface OOH work throughout the month consisted of excavations works associated with the Central Walk. Night time OOH predictions validated. All at source noise mitigation and required additional mitigation measures were in place throughout the month of January.  Day Noise data was reviewed to validate the predictions for rock breaking at the Eastern Entrance. The noise levels were within the CNVIS 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. The noise level has been observed to be lower than in previous months as the excavation works are getting deeper and below the slab level.
Chalmers St	3	Attended	Yes	Max internal noise level recorded at Sydney Dental Hospital was 51dB (corresponding external noise level 72.3dB)	20-28 Chalmers St (Eastern Entrance) works predicted to be 81dB in standard construction hours during excavation and breaking activities.	Day Noise data was reviewed to validate the predictions for rock breaking at the Eastern Entrance. The noise levels were within the CNVIS 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. The noise level has been observed to be lower than in previous months as the excavation works are getting deeper and below the slab level.
YHA	4	Continuous	Yes	Maximum OOHW Noise Recorded = 82dB (not associated with CSM works)	Maximum OOHW Prediction = 68dB for the YHA	Noise recordings indicated that the noise levels measured were attributed to the noise generated by trains stabled idling within the Intercity Platforms.
Regent St	3	Continuous	Yes	Max = 65dB	66dB	Truck movements on SYAB. Peak of 65dB.
<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.						
<b>Continuous:</b> Real time noise data recorded in 15min intervals, 24/7 and represents the noise levels at the facade of sensitive receivers.						
<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.						