

Noise Monitoring Data-Monthly Summary

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| Month and Year: | Dec-20 | | | | | |
| 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 | 13 | Continuous | Yes | Max night OOHW Noise recorded was 74dB calculated at the façade of the building @ 06:00. | Predicted Parameter = 73 dB for night OOHW on the suburban platforms throughout the month. | OOH work throughout the month consisted of subsurface excavations 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 December. |
| Chalmers St | 2 | Attended | Yes | Max recorded at 38 Chalmers St façade was 67dB | Eastern Entrance works predicted to be 81dB in standard construction hours. | Noise and vibration data was reviewed to validate the predictions for rock breaking at the Eastern Entrance. The noise and vibration levels were within the CNVIS predictions. For this activity the timing of the works was selected to occur in less sensitive periods, during standard construction hours within the allowable period for high noise impact, and respite periods observed. The plant is new, well maintained and serviced regularly. |
| YHA | 1 | Attended | Yes | Actual: 82dB Adjusted (just construction contribution): 75dB | High noise affected impact at façade during the day predicted. In addition to continuous real time monitoring, attended monitoring was conducted during the highest impact works during the XMAS shutdown. | Northern Concourse concrete breaking as part of Christmas shutdown. For this activity the timing of the works was selected to occur in less sensitive periods. Best achievable noise performance objectives met as identified in the CNVIS. |
| YHA | 6 | Continuous | Yes | Maximum OOHW Noise Recorded = 72dB (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 within the Intercity Platforms. XMAS shutdown works in Northern Concourse Audible at 66dB. |
| Regent St | 4 | Continuous | Yes | Max = 62dB | 66dB | Truck movements on SYAB. Peak of 65dB. |
| <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> | | | | | | |