



Noise & Vibration Monthly Report

Barangaroo Cutaway Cultural Facility
3847.15

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Customer Name: FDC Construction
Report Number: 3847.15
Reporting Period: 27/6/2025 to 6/8/2025
Issue Date: 13/8/2025

Compiled By: Jonathan South

Reviewed By: Jake Donovan-Parker

1 Executive Summary

Noise and vibration associated with construction activities were monitored between 27th of June and 6th of August 2025 (inclusive).

During this reporting period, the number of on-site sensors was reduced due to the anticipated reduction in noise and vibration as project works enter final stages. One noise monitor, and one vibration monitor were installed at 10am on 11th July 2025, at the land-bridge near the northern skylights, to measure impacts to sensitive receivers along Merriman Street.

Power was removed to the skylights at 12pm on 4th August 2025, due to site constraints. While noise monitors are un-powered, manual amenity checks (listening at direct observation along Merriman Street) are being performed by site staff during busy work periods, with a log kept. A solar battery setup is being commissioned to power noise and vibration sensors for the remainder of the project.

Over the monitoring period, there were no instances where noise or vibration exceeded established alerting or alarm levels. Impacts to sensitive receivers from site activities are expected to be minimal.

2 Monitoring Program Update

The noise and vibration monitoring program has been altered in response to the changed site conditions as works enter final stages. With skylight installation and heavy works completed, the noise and vibration impact to surrounding residential and commercial receivers is anticipated to be significantly reduced.

As such, noise and vibration monitoring has been reduced to one sensor each, located in the vicinity of residential receivers along Merriman Street. Monitor locations have been chosen in line with “Option B” proposed in Figure 2 of the Acoustic Studios Letter *Re: The Cutaway – Construction Noise and Vibration Management Plan (CNVMP) – Monitoring Program Update*, dated 27th May 2025. Specific details are provided below.



Figure 1 - Noise (left) and vibration (right) monitor installation, in situ.

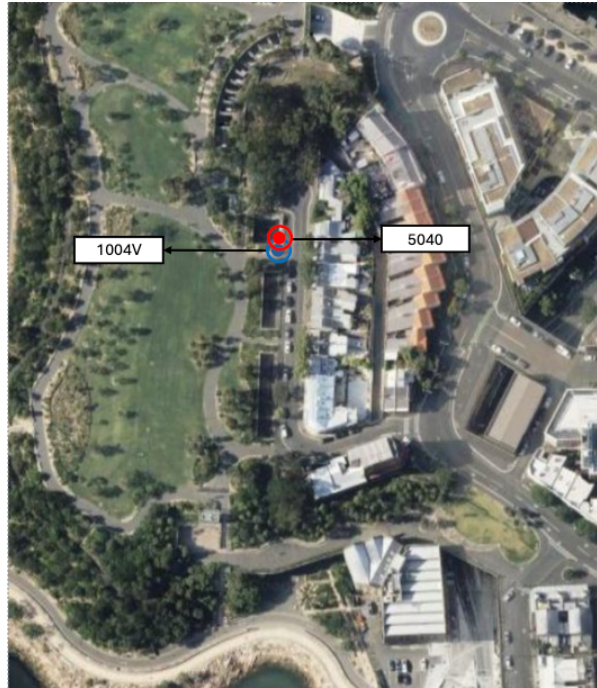


Figure 2 – Noise and vibration monitor installation.

Noise and vibration monitors were installed by FDC at 10:00am on 11th July 2025, and recorded data until 12:00pm on 4th August 2025, when power was removed from the skylights due to site constraints. While noise monitors are un-powered, manual amenity checks (listening at direct observation along Merriman Street) are being performed by site staff during busy work periods, with a log kept. A solar battery setup is being commissioned for powering noise and vibration sensors for the duration of the project.

Receiver noise level adjustments and alerting and alarming schedule remain consistent with those described in NoiseNet report *3847_11_NVMR_Barangaroo_Cutaway_FDC_Construction*.

3 Noise

Over the reporting period, there were no instances where noise exceeded the established levels for high emission for commercial receivers.

There was a noted error with data ingestion from the noise monitor between 15th July and 4th August 2025, preventing rendering of data on dashboards, and real-time alerting. All data was reviewed directly to compile this report, and plotted via alternate methods.

4 Vibration

Over the reporting period, there were no instances where vibrations exceeded the established warning or alarm levels.

5 Report Issue Log

Document Title	Reference	Reporting Period	Issue Date
3847_Installation_Report_Barangaroo_Cutaway_FDC_Construction_R01 (Superseded)	3847	13/06/2024	24/06/2024
3847_01_NVMR_Barangaroo_Cutaway_FDC_Construction_R01	3847_01	13/06/2024 to 24/06/2024	24/06/2024
3847_Installation_Report_Barangaroo_Cutaway_FDC_Construction_R02	3847	11/07/2024	25/07/2024
3847_02_NVMR_Barangaroo_Cutaway_FDC_Construction_R01	3847_02	25/06/2024 to 24/07/2024	25/07/2024
3847_03_NVMR_Barangaroo_Cutaway_FDC_Construction_R01 (Superseded)	3847_03	25/07/2024 to 26/08/2024	26/08/2024
3847_03_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_03	25/07/2024 to 26/08/2024	26/08/2024
3847_04_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_04	26/08/2024 to 25/09/2024	25/09/2024
3847_05_NVMR_Barangaroo_Cutaway_FDC_Construction (Superseded)	3847_05	26/09/2024 to 25/10/2024	25/10/2024
3847_05_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_05	26/09/2024 to 25/10/2024	31/10/2024
3847_06_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_06	25/10/2024 to 11/11/2024	12/11/2024
3847_07_NVMR_Barangaroo_Cutaway_FDC_Construction (Superseded)	3847_07	12/11/2024 to 26/11/2024	26/11/2024
3847_07_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_07	12/11/2024 to 26/11/2024	27/11/2024
3847_08_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_08	27/11/2024 to 18/12/2024	18/12/2024
3847_09_NVMR_Barangaroo_Cutaway_FDC_Construction (Superseded)	3847_09	19/12/2024 to 26/1/2025	27/1/2025
3847_09_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_09	19/12/2024 to 26/1/2025	28/1/2025
3847_10_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_10	27/1/2024 to 26/2/2025	27/2/2025
3847_11_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_11	27/2/2024 to 26/3/2025	27/3/2025
3847_12_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_12	27/3/2024 to 26/4/2025	27/4/2025
3847_13_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_13	27/4/2024 to 26/5/2025	27/5/2025
3847_14_NVMR_Barangaroo_Cutaway_FDC_Construction	3847_14	27/5/2024 to 26/6/2025	27/6/2025
3847_14_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_14	27/5/2024 to 26/6/2025	10/7/2025
3847_15_NVMR_Barangaroo_Cutaway_FDC_Construction (Superseded)	3847_15	27/6/2024 to 6/8/2025	7/8/2025
3847_15_NVMR_Barangaroo_Cutaway_FDC_Construction_R02	3847_15	27/6/2024 to 6/8/2025	13/8/2025

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6 Noise and Vibration Data

6.1 27/6/2025 – 6/8/2025

