



Noise & Vibration Monthly Report

Barangaroo Cutaway Cultural Facility
3847.13

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Customer Name: FDC Construction
Report Number: 3847.13
Reporting Period: 27/4/2025 to 26/5/2025
Issue Date: 26/05/2025

Compiled By: Jake Donovan-Parker

Reviewed By: Jonathan South

1 Executive Summary

Noise and vibration associated with construction activities were monitored between 27th of April and 26th of May 2025 (inclusive).

During this reporting period all devices, except for two, were offline for the entire monitoring period. Vibration sensor 1004V was online for two days and went offline at 9:30 on 28/4/2025 and noise monitor 5039 was online the entire monitoring period. FDC is seeking to reduce the number of devices in the skylights and NoiseNet is working with FDC to facilitate this and get all remaining devices operational.

Due to all skylight devices being offline, NoiseNet cannot comment on the impact to nearby heritage buildings and residents and cannot guarantee compliance with noise and vibration criteria regarding residential properties.

Impacts to commercial properties could be assessed as the commercial receiver (monitor 5039) was online for the entire period.

There were four instances where noise levels exceeded the alarm level for high noise emission at commercial receivers.

During this reporting period the only vibration sensor that was online for two days was the site level sensor (5039). The data from this device is only intended to be analysed in comparison to the residential receivers located in the skylights and for this reason will not be reviewed for this report. This means there is no vibration data to be analysed in this report and no comments about compliance with vibration criteria can be made.

NoiseNet must be consulted prior to relocation of sensors or any changes to power configurations. Failure to meet suitable install conditions or monitoring locations will result in any data being null and void and may result in failure to meet DA conditions.

NoiseNet should be informed in advance of any planned activities likely to cause high levels of vibration, such as piling or rock breaking. Key personnel should continue to observe alerting and alarming via email and SMS, as established in installation report reference *3847_Installation_Report_Barangaroo_Cutaway_FDC_Construction_R02*.

2 Noise

Due to all skylight devices being offline, NoiseNet cannot comment on the impact to nearby residents and cannot guarantee compliance with noise criteria regarding residential properties. Impacts to commercial properties could be assessed as the commercial receiver (monitor 5039) was online for the entire period.

Upon concluding the site visit on 3/4/2025 from 8:00-15:00, several responsibilities were transferred to FDC regarding device set up including moving 5037 slightly and securing with additional zip ties. NoiseNet is still waiting for a photo confirming this has been completed but will run under the assumption that it was completed the following day (4/4/2025) as advised during the site visit.

Over the reporting period, there were four instances where noise exceeded the established levels for high emission for commercial receivers.

Noise during general work hours was typically observed to be from power tools, talking, heavy machinery and general plant movement.

All periods of high noise emissions are outlined in Table 1 (along with accompanying audio files).

Filename	Date	Time	Description	Merriman Street Receiver Levels		Munn Street Offices Receiver Levels	
				LA _{eq} (dB)	LA _{max} (dB)	LA _{eq} (dB)	LA _{max} (dB)
2025-05-05T10_53_27.wav	5/5/2025	10:28-11:22	Monitor 5039. Hammering, power tools and general plant movement.	N/A	N/A	79	105
2025-05-09T16_11_45.wav	9/5/2025	16:08-26:24	Monitor 5039. Power tools, heavy machinery and talking.	N/A	N/A	71	84
2025-05-12T09_47_26.wav	12/5/2025	9:37-9:54	Monitor 5039. Power tools, general plant movement and metal banging.	N/A	N/A	78	91
2025-05-12T15_23_42.wav	12/5/2025	13:56-15:36	Monitor 5039. Power tools, heavy machinery and general plant movement.	N/A	N/A	73	92

Table 1: Most notable noise events during the reporting period.

3 Vibration

During this reporting period the only vibration sensor that was online for two days was the site level sensor (5039). The data from this device is only intended to be analysed in comparison to the residential receivers located in the skylights and for this reason will not be reviewed for this report. This means there is no vibration data to be analysed in this report and no comments about compliance with vibration criteria can be made.

4 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

Compiled By:

Jake Donovan-Parker



Reviewed By:

Jonathan South



5 Noise and Vibration Data

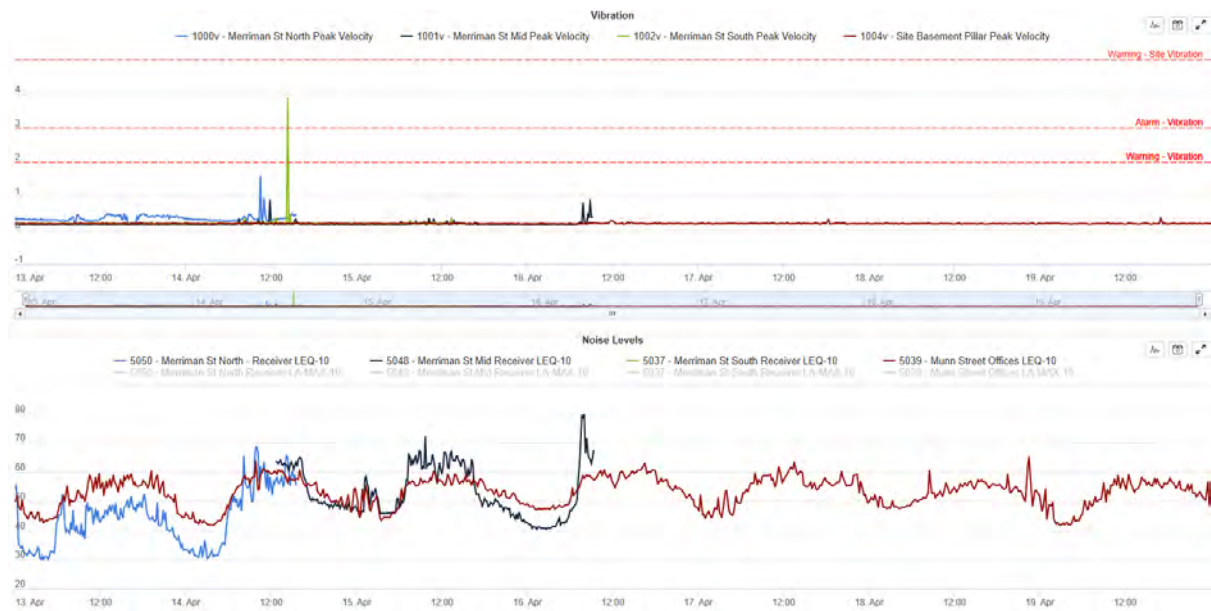
5.1 27/3/2025 – 4/4/2025



5.2 5/4/2025 – 12/4/2025



5.3 13/4/2025 – 19/4/2025



5.4 20/4/2025 – 26/4/2025

