



## Noise & Vibration Monthly Report

Barangaroo Cutaway Cultural Facility  
3847.14

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Customer Name: FDC Construction  
Report Number: 3847.14  
Reporting Period: 27/5/2025 to 26/6/2025  
Issue Date: 27/05/2025

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Compiled By: Jake Donovan-Parker

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## 1 Executive Summary

Noise and vibration associated with construction activities were monitored between 27<sup>th</sup> of May and 26<sup>th</sup> of June 2025 (inclusive).

During this reporting period all devices, except for one, were offline for the entire monitoring period. Noise monitor 5039 was online the entire monitoring period.

FDC is currently in the process of reducing the number of devices in the skylights and NoiseNet is working with FDC to facilitate. On the 26<sup>th</sup> of June 2025, FDC and Noisenet attempted to turn 5050 and 1000V back on to use as the remaining set of monitors for the duration of the project. It was discovered at this time that 5050 had a hardware or software issue and needed replacing. A new pair of devices (noise monitor 5040 and vibration sensor 1004V) were dispatched on the 27<sup>th</sup> of June 2025. We expect these newly issued devices to be installed on the 11<sup>th</sup> of July 2025.

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 five instances where noise levels exceeded the alarm level for high noise emission at commercial receivers.

During this reporting period there was no vibration data to be analysed 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.

Over the reporting period, there were five 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 and talking. Noise not related to FDC activities was found to be rain, thunder and aviation noise.

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 <sub>eq</sub> (dB)	LA <sub>max</sub> (dB)	LA <sub>eq</sub> (dB)	LA <sub>max</sub> (dB)
2025-05-27T08_50_24.wav	27/5/2025	8:45-15:45	Noise monitor 5039 recorded audio in exceedance of 70dB a total of four times over this period. Talking and power tools.	n/a	n/a	72	95
2025-05-28T10_50_29.wav	28/5/2025	9:30-13:50	Noise monitor 5039 recorded audio in exceedance of 70dB a total of four times over this period. Talking and power tools.	n/a	n/a	75	91
2025-05-29T08_26_12.wav	29/5/2025	8:20-10:40	Noise monitor 5039 recorded audio in exceedance of 70dB a total of two times over this period. Talking and power tools.	n/a	n/a	79	99
n/a	7/6/2025	10:45-11:05	Noise monitor 5039. Plane pass-by.	n/a	n/a	72	97
n/a	15/6/2025	17:05-17:25	Noise monitor 5039. Rain and thunder.	n/a	n/a	74	101

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

### 3 Vibration

During this reporting period there was no vibration data to be analysed 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
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

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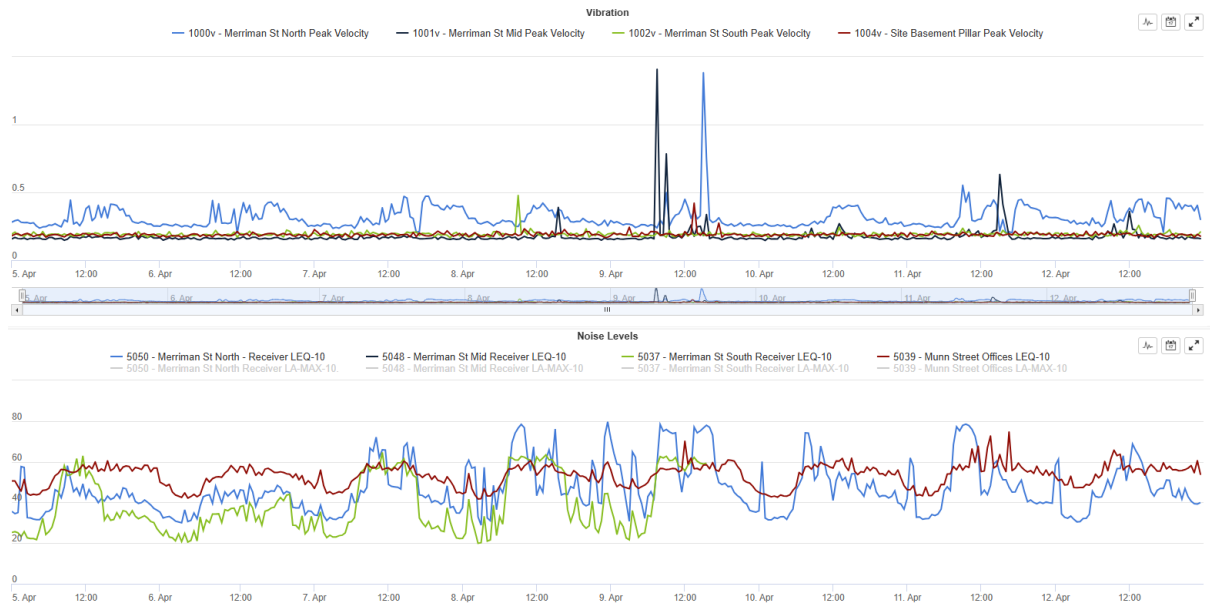


## 5 Noise and Vibration Data

### 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

