

# **Sydney Children's Hospital Stage 1 and Minderoo Children's Comprehensive Cancer Centre Construction Monitoring Reporting**

March 2024

## Construction Monitoring Results

The Sydney Children's Hospital Stage 1 complies with strict environmental and planning controls. Mitigation measures are in place to manage noise, dust and vibration.

Sydney Children's Hospital Redevelopment is monitoring noise and vibration levels through sensitive data receivers. Any exceedances are made publicly available on the project website.

Local residents and project stakeholders are notified of construction activity in advance of works occurring.

### Real Time Monitoring Equipment

**Noise** - real time monitors are located at the property boundary near Receiver 1 along High Street.

Measured noise levels did exceed the requirements of the ICNG Noise Management Level. However, given the distance of the monitors to the construction work and the relatively number of isolated exceedances and short durations that occurred throughout the entire monitoring period, during approved working hours, it is not considered that noise levels from the concrete structure works are significantly impacting on neighbouring properties.

**Vibration** – There is one real time vibration monitor located at the site boundary along High Street.

### Monitoring Criteria

Noise – The Noise Criteria for Noise management level range from 45- 57 dBA and Highly Noise affected goal of 75dBA

Vibration –There were no readings during the reporting month that exceeded the Peak Particle Velocity (PPV), of 5mm/s.

### Getting in touch

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## Exceedances

Date	Exceedance	Exceedance Cause	Project Response to Exceedance
11/10/22	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification– no vibratory works occurring
26/10/22	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
27/10/22	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
28/10/22	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
28/10/22	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
29/11/22	Noise	Rock hammering	Subcontractor was undertaking rock breaking inside respite period. JHG issued subcontractor with a Non-conformance notice and requested that they complete a toolbox with their team to reiterate the allowable hours for the noisy works (rock hammering).
06/02/23	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
07/02/23	Vibration	Hoarding rectification	Interference with monitor during hoarding rectification – no vibratory works occurring
08/02/23	Vibration	Hand digging	Potential impact by shovel during hand excavation - no vibratory works occurring
20/02/23	Vibration	Relocation of monitor	Vibration consultant relocating monitor - no vibratory works occurring
21/02/23	Vibration	Potential impact.	No vibratory works occurring
15/03/23	Vibration	Potential impact	Site shed establishment works - No vibratory works occurring
20/03/23	Vibration	Potential impact	Site shed establishment works - No vibratory works occurring
24/03/23	Vibration	Potential impact	Site shed establishment works - No vibratory works occurring
12/04/23	Vibration	Potential Impact	Workers in Vicinity
19/04/23	Vibration	Potential Impact	Workers in Vicinity

<b>18/07/23</b>	Noise	Concrete vibrator post 6pm	Mechanical failures with concrete placement equipment occurred late in a concrete pour. Concrete vibrators were used to mitigate imminent safety issues.
<b>04/08/23</b>	Vibration	Potential Impact	Minor exceedance, not from construction works, as this monitor is located within the ASB.
<b>23/08/23</b>	Vibration	Relocation of monitor	Vibration consultant onsite.