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13/02/2024

CPB Contractors Pty Limited
Level 18
177 Pacific Highway
NORTH SYDNEY NSW 2060

Attn: Kara McCormick

Royal Prince Alfred Hospital Redevelopment (RPAH Redevelopment) - Western Campus Infrastructure Works REF 5

This report has been prepared to review the noise and vibration impacts for the Medical Gases Storage Compound Upgrade & Associated works at the Royal Prince Alfred Hospital. The works included as part of the proposal are summarised below:

- Provision of a new 30kL vessel tank and ancillary services.
- Extension of loading dock landing and new ramp.
- Clearing of existing landscaped area to allow the above works to proceed.
- Minor external building changes.

With regards to the proposed upgrade works, we note the following:

- An *Acoustic Assessment Report* has previously been prepared by Arup for an alternative concept of the same works (RPA-ACO-ARP-RPT-EW-05C, dated 07/02/2023).
- The report details surrounding noise sensitive receivers, baseline noise monitoring results, and assessment criteria for construction and operational noise & vibration sources. These remain applicable to the project works.
- A review has also been undertaken to any changes between the concept presented in the previously prepared acoustic report and that currently proposed. Based on this review, we can confirm that, with respect to noise and vibration impacts, the alterations are minor and do not impact the assumptions or outcomes of the report.
- Where required, acoustic attenuation measures and controls will be implemented and iterated throughout the design and construction phases in order to sufficiently attenuate noise and vibration to acceptable levels in line with the requirements of the above documents.

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With regards to the noise and vibration impacts associated with the Medical Gas Storage Compound Upgrade, we note the following:

- The construction and operation of the vessel, as well as the associated hardscaping works required, have the potential to generate noise and vibration impacts on surrounding receivers during construction.
- As recommended in the previous report, an investigation is proposed to determine any vibration sensitive equipment or activities contained within surrounding buildings (e.g. microscopes).
- Appropriate management and mitigation strategies for the construction noise and vibration impacts of the proposed modification works will be developed as the construction methodology is formalised, in order to appropriately control the impacts of this activity on the surrounding sensitive receivers.
- The construction impacts associated with the works of the modification are to be assessed to the relevant noise management levels, and vibration criteria, or as these limits are updated throughout the construction process for the development in consultation with affected stakeholders and surrounding sensitive receivers.
- Based on the above, the noise and vibration impacts associated with the additional oxygen vessel should be considered acceptable.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Alex Washer', with a stylized, cursive script.

Acoustic Logic Pty Ltd
Alex Washer