5 July 2022

Health Infrastructure
C/- David Wood
Senior Project Manager
JohnStaff Projects Pty Ltd
Via email: david.wood@johnstaff.com.au

**L01 – Provision of Hazardous Materials Advice – Proposed Link Bridge**
**Shoalhaven Hospital Redevelopment, Shoalhaven Street, Nowra NSW**

Dear David,

## 1. Introduction and Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Health Infrastructure (HI, the client) care of JohnStaff Projects Pty Ltd (JohnStaff) to provide hazardous materials advice in relation to the proposed link bridge to be constructed as part of the Shoalhaven Hospital Redevelopment, located at Shoalhaven Street, Nowra, NSW (the site).

It is understood that the Shoalhaven Hospital Redevelopment works include the construction of a new Acute Services Building (ASB) in the southeast portion of the site. As part of the new construction, a link bridge into the existing main hospital building (Block B) is required.

HI and JohnStaff have requested advice associated with the construction of the proposed link bridge between the new ASB and existing Block B.

Advice for the proposed link bridge at the site will be provided in relation to:

- A peer review of the existing hazardous materials survey of Block B, including advice on previously identified hazardous materials, and the potential implications of these items;
- Review of observations made during a site inspection of the neighbouring Shoalhaven Community Pre-School on 11 April 2022 by JBS&G;
- Determination on the likely and reasonable extent of hazardous materials previously identified within the targeted area of Block B; and
- Recommendations on scope for additional hazardous material assessment and removal works required (if any).

This review has been undertaken with consideration to NSW legislation and endorsed guidelines with regard to management of hazardous building materials in NSW to assist with redevelopment of the property.

## 2. Documents Reviewed

The documents reviewed as part of the preparation of the review included:

- *Hazardous Materials Risk Assessment, NSW Health, Shoalhaven District Hospital – B – Hospital Building, 2 Shoalhaven Street, Nowra NSW 2541*. Greencap Pty Ltd, December 2019 (Greencap 2019);

- *Preliminary Proposed Site Plan, Revision 10*. Conrad Gargett, 14 April 2022; and
- *Overall Plan, Level 2, Zone 2, Revision 13*. Conrad Gargett, 16 June 2022.

## 3. Discussion

Based on the information reviewed, the following discussion is presented:

- The new ASB link bridge is proposed to join into the western elevation of the Block B building, adjacent to the existing loading/delivery dock.
- Block B is noted to have been constructed in the 1980's and therefore has the potential to contain hazardous building materials including asbestos containing materials (ACM) and lead based paints.
- The external façade to the Block B building in the proposed link bridge location was observed to comprise exposed brick walls and corrugated metal to the loading dock roof. There may also be occurrences of compressed fibre cement sheeting to the façade in this location.
- The external compressed fibre cement sheeting to the façade was identified as being previously sampled in Greencap 2019 and classified as non-asbestos containing. NATA accredited laboratory analysis results of the representative sample were included as part of Greencap 2019, confirming the absence of asbestos.
- No other asbestos containing materials (ACM) or lead based paints were identified in Greencap 2019.
- Synthetic mineral fibre (SMF) materials were identified in a number of locations throughout Block B. The materials identified that may be impacted as part of the link bridge construction works are as follows:
    - Suspended ceiling tiles to the internal corridor;
    - Insulation lagging to pipework within the ceiling space; and
    - Insulation lagging to air conditioning ducting within the ceiling space.
- Although not identified in Greencap 2019, there is the potential for SMF insulation to also be present within the external wall cavity.

## 4. Conclusion

Based on the information reviewed, and subject to the limitations in **Attachment 1**, the following conclusions are provided:

- No ACM or lead based paints have previously been identified in Block B that would be disturbed as part of the proposed link bridge works;
- SMF materials have been identified in various forms within the Block B Level 2 corridor that would be disturbed as part of the proposed link bridge works; and
- No other hazardous materials are assumed or suspected to be present within the location of the proposed link bridge and Block B interface.

## 5. Recommendations

Based on the conclusions in **Section 4**, the following recommendations are provided:

- All demolition works are to be undertaken in accordance with a site Unexpected Find Protocol, whereby, in the event that an unexpected hazardous material is encountered during demolition works, works should cease and an assessment of the material completed by an appropriately qualified and experienced hazardous materials surveyor and/or Licensed Asbestos Assessor.
- The SMF materials identified in Greencap 2019 that would be disturbed as part of the link bridge construction works were deemed to be low risk. These SMF materials can be removed with the building and demolition waste with care taken not to generate fibres. Appropriate PPE is recommended including the use of P2 respirator as minimum and appropriate removal methodology as outlined in National Occupational Health and Safety Commission's *National Standard for Synthetic Mineral Fibres* [NOHSC: 1004(1990)] and National Occupational Health and Safety Commission's *National Code of Practice for the Safe Use of Synthetic Mineral Fibres* [NOHSC: 2006(1990)].

It is further noted that this letter summarises a desktop review only of existing documentation prepared by parties other than JBS&G. JBS&G cannot guarantee the appropriate completion of inspections and sampling programs completed by 3rd parties. Site contractors and relevant personnel who may be involved in demolition works or any other works that disturb existing building materials at the site should familiarise themselves with the site and undertake any additional investigation works they deem necessary to appropriately satisfy themselves regarding the presence or absence of hazardous building materials, prior to commencing works.

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Should you require clarification, please contact Stuart Lumsden on 02 8245 0300 or by email slumsden@jbsg.com.au.

Yours sincerely:

Stuart Lumsden
Senior Occupational Hygienist
SafeWork NSW Licensed Asbestos Assessor
(LAA 001140)
**JBS&G Australia Pty Ltd**

Reviewed/approved by:

Michael Samuel
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**JBS&G Australia Pty Ltd**

**Attachments**

1) Limitations

## Attachment 1 – Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

JBS&G accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced without prior approval by the client, or amended in any way without prior approval by JBS&G, and should not be relied upon by other parties, who should make their own enquires.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.