

Health Infrastructure NSW (HI)
c/- Turner & Townsend

**ADVICE LETTER – JKE DSI AND TIER 2 HUMAN HEALTH RISK ASSESSMENT (HHRA)
NEW ROUSE HILL HOSPITAL
CORNER OF COMMERCIAL AND WINDSOR ROAD, ROUSE HILL, NSW**

1 INTRODUCTION

This advice letter has been prepared by JK Environments (JKE) for the proposed Rouse Hill Main Hospital development at Commercial Road, Rouse Hill, NSW. This letter should be read in conjunction with the following reports:

- JKE (2025), *Report to Health Infrastructure on Detailed Site Investigation (DSI) for Proposed Rouse Hill Main Hospital at Commercial Road, Rouse Hill, NSW*, reference E37757Brpt.Rev1-DSI-MH, dated 24 September 2025 (referred to as JKE DSI); and
- EnRiskS (2026), *Rouse Hill Hospital: Human Health Risk Assessment, prepared for Turner & Townsend and NSW Health Infrastructure*, reference HI/26/RHR01, revision B-Final, dated 30 January 2026 (referred to as Tier 2 HHRA).

2 BACKGROUND

2.1 Summary of JKE DSI Findings

The JKE DSI identified the presence of total PCB concentration of 1.2mg/kg in one soil sample TP521 (0-0.1m) obtained from the site during the investigation. Based on the soil results, the DSI recommended undertaking a site-specific Tier 2 Human Health Risk Assessment (HHRA) to address the NEPM (2013) framework. The DSI recommended that if risks are assessed to be unacceptable, then a Remediation Action Plan (RAP) must be prepared and implemented for the proposed development.

Following the completion of the DSI, the client engaged EnRiskS to undertake a Tier 2 HHRA to address the DSI recommendation. The findings of the HHRA are summarised below.

2.1.1 Summary of EnRiskS HHRA

The HHRA included a review of the DSI data and findings of previous investigations undertaken at the site. The HHRA provided the following conclusions:

- *Human health risks are low and acceptable for all workers involved in construction, intrusive works for maintenance of subsurface services and for gardening/landscaping activities; and*





- *Human health risks are low and acceptable for all workers, patients and visitors to the hospital once the hospital has been constructed.*

On the basis of the assessment undertaken the site is suitable for the proposed development. No further investigation or analysis of PCBs in soil is required. In addition, a Remedial Action Plan (RAP) is not required for the site. It is expected that an unexpected finds protocol would be included for construction works, as would be expected for any similar construction.

3 CONCLUSION

A review of the Tier 2 HHRA has indicated that the human health risks posed by the PCBs encountered during the DSI are low and acceptable. The HHRA also noted the following: no further investigation or analysis of PCBs in soil is required; and a RAP is not required for the proposed development.

The HHRA recommends preparing an Unexpected Finds Protocol (UFP) for the construction works. JKE has prepared an UFP for the proposed development which is detailed in the report titled:

- JKE (2025), *Report to NSW Health Infrastructure on Unexpected Finds Procedure (UFP) for Proposed Rouse Hill Main Hospital at Commercial Road, Rouse Hill, NSW*, reference E37757Brpt5-UFP-MH, dated 24 September 2025 (referred to as JKE UFP).

The JKE UFP should be implemented during the development works.

4 LIMITATIONS

The letter limitations are outlined below:

- This letter has been prepared for the particular project described and no responsibility is accepted for the use of any part of this report in any other context or for any other purpose;
- Copyright in this letter is the property of JKE. JKE has used a degree of care, skill and diligence normally exercised by consulting professionals in similar circumstances and locality. No other warranty expressed or implied is made or intended. Subject to payment of all fees due for the investigation, the client alone shall have a licence to use this report;
- If the client, or any person, provides a copy of this letter to any third party, such third party must not rely on this report except with the express written consent of JKE; and
- Any third party who seeks to rely on this letter without the express written consent of JKE does so entirely at their own risk and to the fullest extent permitted by law, JKE accepts no liability whatsoever, in respect of any loss or damage suffered by any such third party.



If you have any questions concerning the contents of this letter please do not hesitate to contact us.

Kind Regards

A handwritten signature in black ink, appearing to be 'VB' with a vertical line through the 'B' and a dot below it.

Vittal Boggaram

Principal | Environmental Engineer | Hydrologist