

4.4 Environmental Management

The following environmental management controls are in place and in accordance with the Environmental Management Plan:

- Fuels / oils / chemicals are currently stored in away from drains.
- Provided storage for bulk storing of chemicals.
- Pumps, gravel bags, spill kits and other erosion control materials are available within the loading zone.
- Spill kits have been prepared for the work.
- Appropriate levels of security have been implemented including hard barriers and fencing around loading zone compound.
- Dust and asbestos monitors are installed, monitoring is ongoing. ACM containing material found in previously cleared material during the month. Precautionary testing to revalidate areas undertaken.
- Sediment control monitoring and maintenance.
- Soil and Water Management procedures in place for dewatering.
- Continue monitoring the weather condition and inspections.
- Unexpected finds procedure.
- Continue inspecting the environment controls.

Table 4.10 Monthly Dust Monitoring Summary

Dust Monitor Location	Monday 2 September 2024	Tuesday 3 September 2024	Wednesday 4 September 2024	Thursday 5 September 2024	Friday 6 September 2024	Criteria Exceedance
Location 1 (North) Daily Average concentration of PM ₁₀ (mg/m ³)	0.005	0.007	0.048	0.023	0.015	No
Location 2 (South-East) Daily Average concentration of PM ₁₀ (mg/m ³)	0.044	0.013	0.021	0.014	0.019	No
Location 3 (West) Daily Average concentration of PM ₁₀ (mg/m ³)	0.030	0.024	0.017	0.022	0.020	No

Dust Monitor Location	Monday 9 September 2024	Tuesday 10 September 2024	Wednesday 11 September 2024	Thursday 12 September 2024	Friday 13 September 2024	Criteria Exceedance
Location 1 (North) Daily Average concentration of PM ₁₀ (mg/m ³)	0.012	0.022	0.048	0.026	0.011	No
Location 2 (South-East) Daily Average concentration of PM ₁₀ (mg/m ³)	0.008	0.009	0.017	0.023	0.011	No
Location 3 (West) Daily Average concentration of PM ₁₀ (mg/m ³)	0.016	0.032	0.047	0.029	0.018	No

Dust Monitor Location	Monday 16 September 2024	Tuesday 17 September 2024	Wednesday 18 September 2024	Thursday 19 September 2024	Friday 20 September 2024	Criteria Exceedance
Location 1 (North) Daily Average concentration of PM ₁₀ (mg/m ³)	0.005	0.011	0.033	0.028	0.019	No
Location 2 (South-East) Daily Average concentration of PM ₁₀ (mg/m ³)	0.006	0.007	0.010	0.016	0.011	No
Location 3 (West) Daily Average concentration of PM ₁₀ (mg/m ³)	0.006	0.003	0.049	0.032	0.016	No

JBS&G (63096 - 162,190)

DMR080 Dust Monitoring Report, Nepean Hospital Stage 2 Main Works (Rev 0)

2 September 2024

Naheed Wozeer
 CPB contractors Pty Ltd
 Via email: Naheed.Wozeer@cpbcon.com.au

**DMR080: Dust Monitoring Report (PM10)
 Nepean Hospital Stage 2 Main Works, Derby Street, Kingswood, NSW**

Dear Naheed,

1. Introduction

JBS&G Australia Pty Ltd (JBS&G) was engaged by CPB Contractors Pty Ltd, (CPB, the Client) to conduct dust monitoring for the Nepean Hospital Stage 2 Main Works, located at Nepean Hospital, Kingswood, NSW (the site). This report presents the results of representative dust monitoring conducted from **Monday 26 August 2024 to Friday 30 August 2024**.

2. Standards

A maximum concentration limit of 50 µg/m³ (0.05 mg/m³) for particles 10 microns or less (PM₁₀) was adopted from the *National Environment Protection (Ambient Air Quality) Measure (NEPM) (2021¹)*.

3. Sampling Methodology

Concentrations of PM₁₀ were sampled using a calibrated TSI DustTrak II Aerosol Monitor. Dust monitoring locations are presented in **Attachment 2, Figure 1**. Ambient air conditions were measured at a stationary location between the hours of main construction works (0800-1700), returning an average concentration of PM₁₀ across 10-minute time-weighted intervals.

4. Results

Table 1 – PM10 Dust Monitoring Summary

Dust Monitor Location	Monday 26 August 2024	Tuesday 27 August 2024	Wednesday 28 August 2024	Thursday 29 August 2024	Friday 30 August 2024	Criteria Exceedance
Location 1 (North) Daily Average concentration of PM ₁₀ (mg/m ³)	0.011	0.016	0.013	0.022	0.002	No

¹ *National Environment Protection (Ambient Air Quality) Measure*, Department of the Environment (NEPM, 2021)

Dust Monitor Location	Monday 26 August 2024	Tuesday 27 August 2024	Wednesday 28 August 2024	Thursday 29 August 2024	Friday 30 August 2024	Criteria Exceedance
Location 2 (South-East) Daily Average concentration of PM ₁₀ (mg/m ³)	0.010	0.019	0.028	0.030	0.006	No
Location 3 (West) Daily Average concentration of PM ₁₀ (mg/m ³)	0.018	0.030	0.033	0.020	0.003	No

5. Discussion

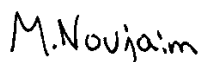
No criteria exceedances were reported for the representative dust monitoring conducted at the site from **Monday 26 August 2024 to Friday 30 August 2024**.

6. Conclusions

Based on the results of the sampling events, and subject to the limitations included in **Attachment 1**, it is concluded that concentrations of daily average dust results measured were below the adopted site criteria of 0.05 mg/m³.

Should you require clarification, please contact the undersigned on 02 8245 0300 or by email mnoujaim@jbsg.com.au.

Yours sincerely:



Milad Noujaim
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(LAA 002002)
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Reviewed and Approved by:



Michael Samuel
Principal – Hazardous Materials
SafeWork NSW Licensed Asbestos Assessor
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JBS&G Australia Pty Ltd

Attachments:

- 1) Limitations
- 2) Figure 1 – Sample Locations

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 report has been prepared specifically for the client for the purposes of the commission, and no warranties, express or implied, are offered to any third parties and no liability will be accepted for use or interpretation of this report by any third party.

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. This report should not be amended in any way without prior approval by JBS&G, or reproduced other than in full including all attachments as originally provided to the client by JBS&G.

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 or agreed scope of work.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. 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 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.

2 Figure 1 – Sample Locations



Legend:
● Dust Monitor Locations



Job No: 63096

Client: CPB Contractors

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Scale

**Nepean Hospital
Stage 2 Main Works,
Derby Street, Kingswood, NSW**

SAMPLE LOCATIONS

FIGURE 1