Health Infrastructure

# Pre-Demolition Hazardous Building Materials Survey

Wentworth Health Services Facility
Wentworth, NSW

20 September 2022

63097/ 147,383 (Rev 0)

JBS&G

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## Abbreviations

| Term | Definition |
|---|---|
| AC | Asbestos Cement |
| ACM | Asbestos Containing Material |
| ACD | Asbestos Containing Dust |
| ANZECC | Australian and New Zealand Environment Conservation Council |
| AMP | Asbestos Management Plan |
| COC | Chain of Custody |
| NSW EPA | New South Wales Environmental Protection Authority |
| FA | Friable Asbestos |
| HI | Health Infrastructure |
| HIL | Health Investigation Levels |
| HSL | Health Screening Levels |
| JBS&G | JBS&G Australia Pty Ltd |
| LAA | Licenced Asbestos Assessor |
| LCD | Lead Containing Dust |
| LOR | Limit of Reporting |
| LP | Lead Paint |
| NATA | National Association of Testing Authorities, Australia |
| NEPC | National Environmental Protection Council |
| NEPM | National Environmental Protection Measure |
| PCB | Polychlorinated Biphenyls |
| PPE | Personal Protective Equipment |
| SMF | Synthetic Mineral Fibre |
| SWNSW | SafeWork New South Wales |
| WHS (WH&S) | Workplace Health and Safety |

# 1. Introduction

## 1.1 Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Health Infrastructure (HI, the client) to undertake a pre-demolition hazardous building materials survey (HBMS) of the structures associated with the Wentworth Health Services Facility, Wentworth NSW (the site), located at Hospital Road, Wentworth (the site).

The site is legally defined as part Lot 1 in DP 1136392, and the site location and layout are shown on **Figure 1** and **Figure 2**, respectively.

The existing hospital site is proposed to be redeveloped for ongoing hospital use. The development site comprised a 4 hectare (ha) parcel of land that included 17 structures that were wholly contained within the proposed acquisition boundary.

A previous hazardous materials audit and register has been completed at the site by NSW Health Far West Local Health District in August 2017 (FWLHD 2017[1]). This report was provided to JBS&G prior to undertaking the pre-demolition HBMS. Findings within FWLHD 2017 are detailed in **Section 1.4**.

Based on the review of FWLHD 2017, no previous sampling had been documented, therefore all identification of asbestos was based on assumptions made about the composition of materials. Additionally, it is noted in FWLHD 2017 that "at the time of inspection, all buildings were occupied except the old Staff accommodation building". It is assumed that the unoccupied building at the time of the FWLHD (2017) is now referenced as the Old Nurses Building.

This pre-demolition HBMS was requested to re-assess the data gaps identified in the previous hazardous materials assessments and undertake a pre-demolition HBMS of the structures with more intrusive investigation methods to assist with the demolition phase of the proposed site redevelopment works.

This advice presents the outcomes of the inspection undertaken by JBS&G personnel and provides recommendations on requirements for the removal of identified hazardous materials in accordance with regulations and guidance in force at the time of the inspection. It is understood this HMBS report is proposed to form part of the client's tender package as part of the sites redevelopment.

The structures were inspected for the following hazardous materials:

- Asbestos containing materials (ACMs);
- Asbestos containing dust (ACD);
- Lead based paints (LP);
- Lead containing Dust (LCD)
- Synthetic mineral fibres (SMF); and
- Polychlorinated biphenyls (PCB).

## 1.2 Objectives

The objective of the pre-demolition HBMS was to determine the presence, quantity, and condition of any hazardous materials within the buildings prior to proposed demolition works commencing.

The pre-demolition HBMS and production of this report have been undertaken in accordance with the requirements of:

[1] *Far West Local Health District – Asbestos Survey, Wentworth Health Service*. NSW Health. August 2017 (FWLHD 2017)

- Work Health and Safety Act (2011);
- Work Health and Safety Regulation (2017);
- How to Safely Remove Asbestos Code of Practice, SafeWork NSW, (2019) (SWNSW 2019a);
- How to Manage and Control Asbestos in the Workplace Code of Practice, SafeWork NSW (2019) (SWNSW 2019b);
- Australian Standard 4361.2 (1998) Guide to Lead Paint Management - Part 2: Residential and Commercial Buildings (AS4361.2-1998);
- Australian Standard 4361.2 (2017) Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings (AS4361.2-2017);
- National Occupational Health and Safety Commission's National Standard for Synthetic Mineral Fibres [NOHSC:1004(1990)];
- National Occupational Health and Safety Commission's National Code of Practice for the Safe Use of Synthetic Mineral Fibres, [NOHSC:2006(1990)]; and
- Australian and New Zealand Environment Conservation Council's Identification of PCB-containing Capacitors: An information booklet for Electricians and Electrical Contractors, (ANZECC 1997).

### 1.3 Hazardous Materials Survey Limitations

Whilst all reasonable care has been taken by JBS&G during the completed pre-demolition HBMS, this report is limited due to:

- Only safely accessible areas of the site were surveyed.
- Access restrictions to operational areas such as energised services, gas, air conditioning/heating, pressurised vessels, chemical lines etc.
- Potential materials located in areas in which they could not reasonably be envisaged or anticipated.
- Limited access to internal building components e.g., set floor, walls, ceiling cavities etc., in which case only representative areas were inspected with the hand tools available to the JBS&G consultants for destructive investigation.
- Access restrictions to areas above 3 metres or any area deemed inaccessible without the use of specialised equipment.
- Access to restrictions to areas of structures where the structural integrity for the floor and/or ceiling has been compromised.
- Service pits, confined spaces, voids, cavities within the building structure and internal areas of plant and equipment that could not be safely accessed.

It should be noted that buildings built between the 1930s - 1980s may have general occurrences of ACMs in areas which are not readily accessible with the hand tools available for the survey. These areas and materials include, inter alia:

- Fibre Cement Sheeting (FCS) used as packing to bearers and joists in the underfloor void or as boxing/shuttering to concrete formwork;
- FCS packing between window/door frames and timber studs; and
- Compressed FCS underneath tiled floor areas.

Whilst all care is taken by the consultants to uncover hidden materials, not all areas can be accessed within the allowable timeframe without more industrial (power) tools. As such, only minor destructive sampling techniques were employed to gain access. Consequently, without substantial demolition of the building, it is not possible to guarantee that every source of hazardous material has been detected. JBS&G recommends that areas inaccessible during the survey be inspected as the demolition progresses. If suspected hazardous materials are observed, confirm the presence or absence of hazardous materials through laboratory testing.

In the event suspected hazardous materials are identified during strip out or demolition which are not included in this report, JBS&G recommends that works should cease, and an assessment of the materials undertaken by a competent person for further appropriate recommendations.

No one section or part of a section of this report is to be taken as giving an overall idea of this report. Each section is to be read in conjunction with the whole of this report, including the appendices and attachments.

### 1.4 Previous Hazardous Material and Asbestos Survey Works

A Hazardous Material Audit and Register was prepared for site by FWLHD in 2017 and comprised one report for the entire Wentworth Health Services facility. The report details of the assumed presence, quantity, condition, and location of any identified hazardous materials.

Based on the review of FWLHD 2017, the typical types of hazardous materials found within the structures within the proposed site is summarised below:

- Fibre cement sheeting to eaves, ceilings and walls;
- Electrical backing boards;
- Gaskets to pipework; and
- Lagging to pipework;

The information presented in FWLHD 2017 was used in the preparation of this report.

# 2. Methodology

## 2.1 Hazardous Materials

### 2.1.1 Asbestos Containing Materials and Asbestos Containing Dust

Representative samples of suspected ACMs and ACDs were collected where possible and placed into a zip-lock bags. These were subsequently delivered to a NATA accredited laboratory for analysis using polarised light microscopy in conjunction with dispersion staining techniques. Similar materials to those analysed or other materials known to contain asbestos from the consultant's experience (e.g., Electrical backing boards, corrugated asbestos cement roofs and older fibre cement sheeting) or materials not accessible may also be assumed to contain asbestos as per the relevant Code of Practice.

At the time of inspection, the following details were recorded:

- Location;
- Type of material;
- Accessibility;
- Condition;
- Friability; and
- Volume/dimensions.

### 2.1.2 Lead Based Paint

Australian Standard AS4361.2 (2017) Guide to Hazardous Paint Management - Part 2: Lead Paint in Residential, Public and Commercial Buildings defines lead paints as those in which the lead content (calculated as lead metal) is in excess of 0.1 percent by weight of the dry film. This can be determined by field spot tests, laboratory testing or the use of portable X-ray fluorescence (XRF) field tests. JBS&G utilises XRF technology as a screening tool for the identification of lead based paints in the field. Any detection of lead greater than 0.1 mg/cm$^2$ was adopted for the assessment of lead based paints for this investigation with representative samples collected where possible and delivered to a NATA accredited laboratory for analysis using inductively coupled plasma optical emission spectrometry (ICP-OES).

### 2.1.3 Lead Containing Dust

Representative samples of accumulated or settled dust were collected and delivered to a NATA accredited laboratory for analysis via ICP-OES. A conservative assessment criteria was adopted for this investigation given the potential for human exposure and the readily disturbed and uncontained nature of accumulated or settled dust.

Concentrations of lead within accumulated or settled dust were compared against the health investigation level (HIL) for residential sites with garden/accessible soil of 300 mg/kg as outlined in National Environment Protection Measure (NEPC 2013) guidelines.

### 2.1.4 Polychlorinated Biphenyls

Old fluorescent light fittings and other appliances which may contain capacitors containing PCB dielectric oil are identified by inspection and evaluation with the consultant's experience of similar light fittings and appliances. Alternatively, where possible and when it was safe to do so, a representative light fitting was opened to reveal the capacitor and the make and model recorded to be compared against the ANZECC (1997) list of PCB containing capacitors.

### 2.1.5 Synthetic Mineral Fibres

SMF containing materials were either sampled as per the asbestos methodology or assumed to contain SMF from the consultant's experience of similar materials.

## 2.2 Inaccessible Areas

As per SWNSW 2019b, any areas not accessible must be recorded as such. Where hazardous materials are suspected to be contained within inaccessible areas, these shall be documented in this report and the associated Hazardous Materials Register (**Appendix A**).

# 3. Site Description

The HBMS was conducted on 11th and 12th August 2022 by Michelle Delandro, one of JBS&G's experienced hazardous materials surveyors and a SafeWork NSW Licensed Asbestos Assessor (LAA 001208).

The site was located in the southern portion of the hospital lot and was bound by vacant land to the north, with Tuckers Creek beyond, Hospital Road intersection with Silver City Highway to the east, vacant land and Ski Reserve Road to the south and Darling River to the west. At the time of inspection, the site was occupied with the identified structures observed to be utilised as a health services facility, with one building having been condemned.

The site comprised 17 structures of varying size with a combination of previous accommodation, administration, ward and activity centre type use. The site was an operational facility at the time of the HBMS. For this HBMS the building names were utilised for identification. The location, extent, identification, and name of each structure is provided on **Figure 2**, and **Figures 3A** to **3C**.

The structures included as part of this investigation are identified as following:

- Wentworth Health Services Building (Hospital)
- Old Boiler House
- Old Pump Shed/Room
- Old Dirty Linen
- Contaminated Waste
- Staff Amenities Block
- Maintenance Storage Shed
- Infectious Waste/Old Morgue
- Maintenance Workshop
- Emergency Generator Shed
- Carports/Storage Shed
- Old Nurses Home (Condemned)
- Uni Staff Quarters/Accommodation/USYD
- Senior Activity Centre/Physio/Community Centre
- Staff Accommodation
- LPG Gas Storage
- Pump Station (PS07) Control Panel shed. Wentworth Shire Council asset

The type, location, friability, accessibility, and approximate quantities of identified and suspected hazardous materials based are provided in the Hazardous Materials Register in **Appendix A**. Photographs taken during the HBMS are presented in **Appendix B**.

A summary of the observations made during the HBMS is included in the following sections.

### 3.1 Wentworth Health Services Building (Hospital)

The Wentworth Health Services Building (Hospital) structure was located in the western portion of the site and comprised a combined single storey ward type structure with a corrugated roof,

exposed brick external walls, cement rendered brick internal walls, plaster and fibre cement ceilings, and concrete floors with various floor coverings.

The single storey portions comprised the south wing and north wing, and the double storey portions comprised the central wing and east wing.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting ceiling linings throughout the structure were previously identified in FWLHD 2017. A representative sample was collected (WHS_01_MAT01) of the ceiling lining to the former maternity Pan Room and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed in the following locations in the western portion of the building and should also be assumed to contain asbestos:
    - Former Maternity Bathroom Ceiling Lining;
    - Former Maternity Shower Ceiling Lining;
    - Former Maternity linen Ceiling Lining;
    - Former Surgical change room Ceiling Lining;
    - Former Surgical bathroom/shower Ceiling Lining;
    - Former Surgical sterile room Ceiling Lining;
    - Old Records Room Ceiling Lining;
    - North-western staff bathroom ceiling lining;
    - North-western staff bathroom alcove ceiling lining;
    - North-western corridor hand wash alcove ceiling lining; and
    - Northern Palliative Care ceiling lining.
- Assumed asbestos containing cream vinyl floor tiles were previously identified within the Former Maternity Pan Room in FWLHD 2017. A representative sample was collected (WHS_01_MAT03) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the internal ceiling lining of the cupboards lining the hallways of the former maternity area in FWLHD 2017. A representative sample was collected (WHS_01_MAT04) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the northern internal wall lining within the western veranda in FWLHD 2017. A representative sample was collected (WHS_01_MAT05) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the southern internal wall lining above the windows within the western veranda in FWLHD 2017. A representative sample was collected (WHS_01_MAT10) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the ceiling lining of the cupboards within the western veranda in FWLHD 2017. A representative sample was collected (WHS_01_MAT11) and confirmed to contain asbestos. Ceiling linings of

consistent appearance were observed in the following locations in the northern portion of the building and should also be assumed to contain asbestos:

- Internal Former Maternity west & north-west veranda ceiling lining;
- Internal northern 'mental health' ceiling lining;
- Internal northern 'NUM's office' ceiling lining;
- Internal northern 'Nurse Manager' ceiling lining;
- External northern entrance porch ceiling lining; and
- Internal north-eastern veranda ceiling lining.

- Assumed asbestos containing fibre cement sheeting was previously identified to the to the ceiling of the Hotel Services in FWLHD 2017. A representative sample was collected from the Hotel Services hallway (WHS_01_MAT13) and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed in the following locations in the south-eastern portion of the building and should also be assumed to contain asbestos:
  - Internal Hotel Services southern meals on wheels alcove ceiling lining;
  - Internal Hotel Services western pantry ceiling lining;
  - Internal Hotel Services eastern pantry ceiling lining; and
  - Internal Hotel Services eastern pantry wall lining.
- Assumed asbestos containing fibre cement sheeting was previously identified to the ceiling of the Hotel Services rear corridor/cleaners room and goods store in FWLHD 2017. A representative sample was collected from the Hotel Service storeroom (WHS_01_MAT14) and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed in the following locations in the south-eastern portion of the building and should also be assumed to contain asbestos:
  - Hotel Services Janitors Room ceiling lining; and
  - Hotel Services hallway adjacent Janitors Room ceiling lining.
- Assumed asbestos containing fibre cement flat sheeting was previously identified to the external eaves across all elevations in FWLHD 2017. A representative sample was collected (WHS_01_MAT15) and confirmed to contain asbestos. Eave linings of consistent appearance were observed in the following locations surrounding the exterior of the health services building and should be assumed to contain asbestos:
  - External flat sheet eaves – internal courtyard; and
  - External Angled Gables.
- Assumed asbestos containing fibre cement flat sheeting was previously identified to the external eaves across all elevations in FWLHD 2017. A representative sample was collected (WHS_01_MAT16) and confirmed to contain asbestos. Eave linings of consistent appearance were observed in the following locations surrounding the exterior of the health services building and should be assumed to contain asbestos:
  - External flat sheet lat eaves – internal courtyard;
  - External flat sheet eaves – northern main entrance porch; and
  - External flat sheet eaves – southern awning linings.

- Assumed asbestos containing electrical backing board was previously identified within the old records room in FWLHD 2017, accessed from the southern exterior of the site. Collection of a representative sample was not possible due to the supply of live electricity at the time of investigation. This item should continue to be assumed to contain asbestos.
- An external electrical cabinet was located to the east of the structure. The cabinet was partially locked at the time of inspection. An assumed asbestos containing electrical backing board is suspected to be present within the cabinet. A detailed inspection was not possible due to the supply of live electricity.
- Non-asbestos containing waterproofing bituminous material (WHS_01_MAT02) was identified to the floors and lower walls of the former maternity labour room.
- Non-asbestos containing grey flexible floor tiling (WHS_01_MAT06) was identified to the floor of the former maternity western veranda.
- Non-asbestos containing cream flexible vinyl flooring (WHS_01_MAT07) was identified to the floors of the former maternity wing.
- Non-asbestos containing white linoleum sheeting (WHS_01_MAT08) was identified to the lower walls of the former maternity labour room.
- Various coloured vinyl sheet flooring of similar age and pattern was identified throughout the building. Representative samples of the yellow semi-brittle vinyl sheeting (WHS_01_MAT09) and brown speckle brittle vinyl sheet (WHS_01_MAT012) was collected from the active hospital hallways and was found not to contain asbestos. Based on the result of the representative vinyl flooring samples collected, all vinyl flooring within the building is assumed to be non-asbestos containing.
- Lead concentrations within settled dust above the adopted site criteria (WHS_01_LD01, 540 mg/kg) was identified within the former maternity pan room ceiling cavity. This dust was found not to contain asbestos (WHS_01_AD01).
- Lead concentrations within settled dust above the adopted site criteria (WHS_01_LD02, 670 mg/kg) was identified to the former maternity, west veranda window frame. This dust was found not to contain asbestos (WHS_01_AD02).
- Lead concentrations within settled dust below the adopted site criteria (WHS_01_LD03, <5 mg/kg) was identified within the hotel services storeroom, floor. This dust was found not to contain asbestos (WHS_01_AD03).
- Lead concentrations within settled dust above the adopted site criteria (WHS_01_LD04, 1,600 mg/kg) was identified to the floor of the old records room. This dust was found not to contain asbestos (WHS_01_AD04).
- Lead based green paint (WHS_01_P01, 0.18 % w/w) was identified to the internal maternity records room – cement rendered brick walls.
- Lead based white paint (WHS_01_P02, 21 % w/w) was identified to the internal maternity records room – timber skirting boards, architraves, door jambs and windows.
- Lead based cream paint (WHS_01_P03, 3.8 % w/w) was identified to the internal hospital timber skirting boards, architraves, door jambs and windows .
- Lead based white paint (WHS_01_P04, 3.1 % w/w) was identified to the external old records room timber door paint.
- Non-lead based yellow paint (WHS_01_P05, <0.001 % w/w) was identified to external bricks and metal work.

- Non-lead based blue paint (WHS_01_P06, <0.001 % w/w) was identified to internal cement rendered brick walls of the old records room.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Assumed SMF materials were identified throughout the building as follows:
    - Insulation batts within ceiling cavities.
- Assumed asbestos lagging on aerial pipework was previously identified to the southern external roofing of the building in FWLHD 2017. During the current inspection, this assumed lagged pipework was observed within a metal sheath. Given the location of the pipe on the roof, no access for sampling was available.
- Assumed asbestos pipe used as a tap stand on the northern aspect of the main entrance to the hospital service building was previously identified in FWLHD 2017. This pipe is assumed to be asbestos containing, however, was not sampled in the current inspection due to material type and location of the material.
- The previous FWLHD 2017 report identified assumed asbestos at the following locations, however, the specific items could not be located during the current investigation:
    - Assumed asbestos fibre cement sheeting as sub-floor packers;
    - Assumed asbestos fibre cement sheeting within the roof space as pipework packers; and
    - Assumed asbestos fibres cement pipe collar within the external garden bed.

### 3.2 Old Boiler House

The Old Boiler House structure was located immediately south of the main hospital services building and comprised a single storey structure with an asbestos containing corrugated roof lining and edge capping, exposed brick lower external walls, asbestos flat sheet lining upper external walls, internal flat sheet ceiling and wall lining, and concrete flooring. Internally, the building comprised two rooms.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the external walls in FWLHD 2017. A representative sample was collected (WHS_02_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the internal walls and ceiling in FWLHD 2017. A representative sample was collected (WHS_02_MAT03) from the wall lining and confirmed to contain asbestos. Interior ceiling linings of consistent appearance were observed in within the building and should also be assumed to contain asbestos.
- Asbestos containing fibre cement joining strips (WHS_02_MAT04) were identified to the internal wall linings. These battens were also observed across the interior structure ceiling lining and should also be assumed to contain asbestos.
- Assumed asbestos containing fibre cement corrugated sheeting was previously identified to the roof in FWLHD 2017. A representative sample was collected (WHS_02_MAT06) and confirmed to contain asbestos.

- Asbestos containing debris was identified within the gutter (WHS_02_MAT07) surrounding the building. This material was identified to contain asbestos detected in the form of loose fibre bundles and is classified as friable asbestos.
- Assumed asbestos containing electrical backing board was previously identified within the interior of the structure in FWLHD 2017 however, a detailed inspection and sampling was not possible due to the supply of live electricity during the inspection.
- There was no available access to the ceiling cavity at the time of this investigation.
- Non-asbestos containing flat sheeting (WHS_02_MAT02) was identified to the eaves surrounding the building.
- Non-asbestos containing mastic (WHS_02_MAT05) was identified between the concrete slabs located between the Old Boiler House and the Health Services Building.
- Lead concentrations within settled dust above the adopted site criteria (WHS_02_LD01, 680 mg/kg) was identified to the interior floor adjacent to the eastern access doorway. This dust was also found not to contain asbestos (WHS_02_AD01).
- Lead based white/cream paint (WHS_02_P01, 0.31 % w/w) was identified to the external eaves, facia and fibre cement sheet walls.
- Lead based green paint (WHS_02_P02, 0.41 % w/w) was identified to the internal fibre cement sheet walls.
- Lead based brown paint (WHS_02_P03, 8.6 % w/w) was identified to the external doors, windows and door trim.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Two instant hot water systems were identified to the internal northern aspect and are assumed to contain internal SMF insulation.

### 3.3 Old Pump Shed/Room

The Old Pump Shed/Room structure was located under the water tower on the central western portion of the site and comprised a single storey structure with corrugated asbestos roof and fibre cement flat sheet walls. No access was available to the internal aspects of the structure at the time of inspection.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the external walls in FWLHD 2017. A representative sample was collected (WHS_03_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing corrugated fibre cement roofing was previously identified in FWLHD 2017. A representative sample was collected (WHS_03_MAT02) and confirmed to contain asbestos.
- Lead based brown/red paint (WHS_03_P01, 6.2 % w/w) was identified to the external timber windows, fascia and doors.

- Lead based white paint (WHS_03_P02, 0.24 % w/w) was identified to the external fibre cement sheet walls.

### 3.4 Old Dirty Linen

The Old Dirty Linen structure was located in the south-western portion of the site and comprised a single storey structure with corrugated metal roof, exposed brick external walls, fibre cement flat sheet internal walls and ceilings, and concrete flooring.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the internal walls in FWLHD 2017. A representative sample was collected (WHS_04_MAT01) and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed throughout the structure and should also be assumed to contain asbestos.
- Assumed asbestos containing rope seal to the door of the placed wood fire place was previously identified in FWLHD 2017. A representative sample was collected (WHS_04_MAT02) and confirmed to contain asbestos. Given the nature of the material, this is classified as friable asbestos.
- There was no available access to the ceiling cavity at the time of this investigation.
- Lead based white paint (WHS_04_P01, 12 % w/w) was identified to the external corrugated metal walls.
- Lead based brown paint (WHS_04_P02, 6.4 % w/w) was identified to the external timber fascia and door jambs.
- Lead based green paint (WHS_04_P03, 0.4 % w/w) was identified to the internal fibre cement sheet walls.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

### 3.5 Contaminated Waste

The Contaminated Waste building was located in the southern portion of the site and comprised single storey garage structure with corrugated metal roof, exposed brick internal and external walls and concrete flooring.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing electrical backing board was identified within the interior of the structure in FWLHD 2017, however, a detailed inspection and representative sampling was not possible due to the supply of live electricity.

### 3.6 Staff Amenities Block

The Staff Amenities Block was located in the central portion of the site and comprised a single storey amenities structure with corrugated metal roof, exposed brick external walls, cement rendered brick internal walls, suspected asbestos containing ceiling linings, and exposed concrete flooring.

Internally, the building comprised a female toilet and wash basin, male bathroom and shower and vacant area.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified in FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the to external eaves of the building in FWLHD 2017. A representative sample was collected (WHS_06_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing ceiling material was previously identified to the interior of the structure in FWLHD 2017 however, given the active and continued use of the structure, no confirmation sample was able to be obtained during the current investigation.
- There was no available access to the ceiling cavity at the time of the current investigation.
- Lead based white paint (WHS_06_P01, 0.75 % w/w) was identified to the external timber fascia, and to the eaves.
- Lead based brown paint (WHS_06_P02, 0.88 % w/w) was identified to the external doors and door jambs.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

### 3.7 Maintenance Storage Shed

The Maintenance Storage Shed was located in the central portion of the site and comprised a single storey structure with corrugated metal roof, exposed fibre cement sheeting on the walls, and concrete flooring.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting to the exterior wall lining was previously identified in FWLHD 2017. A representative sample was collected (WHS_07_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the eaves in FWLHD 2017. A representative sample was collected (WHS_07_MAT02) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified as internal wall lining in FWLHD 2017. This was not observed during the current investigation.
- Asbestos containing settled dust (WHS_07_AD01) in the form of loose fibre bundles was identified to the internal floor of the maintenance shed and is classified as friable asbestos. This dust was found to contain lead concentrations below the adopted site criteria (WHS_07_LD01, 200 mg/kg).
- Lead based white paint (WHS_07_P01, 0.25 % w/w) was identified to the external timber windows, fascia and eaves.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Assumed SMF materials were identified throughout the building as follows:

- Insulation to the roof sarking.

### 3.8 Infectious Waste / Old Morgue

The Infectious Waste / Old Morgue structure was located in the central portion of the site and comprised a single storey structure with corrugated metal roof, exposed brick external walls, cement rendered brick internal walls, suspected asbestos fibre cement sheet ceiling lining, and concrete flooring.

Internally, the building comprised two rooms comprising the infectious waste storage and former morgue cold storage facility.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the eaves in FWLHD 2017. A representative sample was collected (WHS_08_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing ceiling material was previously identified within the infectious waste storage area in FWLHD 2017 however, given the active and continued use of the structure, no confirmation sample was able to be obtained during the current investigation.
- Lead based white paint (WHS_08_P01, 9.4 % w/w) was identified to the internal cement rendered brick walls.
- Lead based white paint (WHS_08_P02, 1.4 w/w) was identified to the external timber doors, door jambs, eaves and facia.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- There was no available access to the ceiling cavity at the time the current investigation.

### 3.9 Maintenance Workshop

The Maintenance Workshop was located in the southern portion of the site, and comprised a single storey garage structure with corrugated metal roof, exposed brick external walls, fibre cement sheeting walls and ceiling linings and exposed concrete flooring.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the interior wall lining in FWLHD 2017. A representative sample was collected (WHS_09_MAT01) and confirmed to contain asbestos. Interior ceiling linings of consistent appearance were observed in within the building and should also be assumed to contain asbestos.
- There was no available access to the ceiling cavity at the time the current investigation.
- Lead concentrations within settled dust below the adopted site criteria (WHS_09_LD01, 58 mg/kg) was identified to the floor of the shed. This dust was also found not to contain asbestos (WHS_09_AD01).
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

### 3.10 Emergency Generator Shed

The Emergency Generator Shed was located in the central portion of the site, directly east of the Wentworth Health Service Building. The structure comprised a metal frame, corrugated metal roof, concrete floor and equipment.

- Assumed asbestos containing gaskets were previously identified within the emergency generator machinery in FWLJD 2017 however, given the active and continued use of the structure, no confirmation sample was able to be obtained during the current investigation.
- Potential PCB containing oils are anticipated to be contained within the generator and require further investigation as part of any decommissioning works.

### 3.11 Carports/Storage Shed

The carport/storage shed structure was located in the southern portion of the site and comprised a combined single storey garage structure with a corrugated roof, corrugated metal walls and combination concrete and exposed earth floors.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017during the HBMS is as follows:

- Assumed asbestos containing pipe was previously identified within the storage shed in the rafters in FWLHD 2017 however, given the thickness of the identified pipe and continued use of the structure, no confirmation sample was able to be obtained during the current investigation.
- Non-asbestos containing fibre cement sheeting (WHS_11_MAT01) was identified stockpiled within the storage shed.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.

### 3.12 Old Nurses home (Condemned)

The condemned Old Nurses Home was located in the central portion of the site and comprised a single storey residential structure with a corrugated metal roof, exposed fibre cement sheet external walls, combination fibre cement sheet and plasterboard internal walls and ceilings and timber floor with various floor coverings.

Internally, the building comprised multiple bedrooms, kitchen, dining room, toilet and bathroom facilities, and a plant room.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheeting was previously identified to the eaves in FWLHD 2017. A representative sample was collected (WHS_12_MAT01) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the external cladding in FWLHD 2017. A representative sample was collected (WHS_12_MAT02) and confirmed to contain asbestos.
- Assumed asbestos containing fibre cement sheeting was previously identified to the wall lining of the bathroom in FWLHD 2017. A representative sample was collected

(WHS_12_MAT03) and confirmed to contain asbestos. Interior wall and ceiling linings of consistent appearance were observed in the following locations within the western portion of the structure and should also be assumed to contain asbestos:

  - External cladding – porch ceiling;
  - Internal cladding – bathroom ceiling;
  - Internal cladding - Toilet walls;
  - Internal cladding – toilet ceiling;
  - Internal cladding - Kitchen walls;
  - Internal cladding – kitchen ceiling;
  - Internal cladding - pantry walls; and
  - Internal cladding – pantry ceiling.

- Assumed asbestos containing fragments of fibre cement sheeting was previously identified within the ceiling cavity in FWLHD 2017. A representative sample was collected (WHS_12_MAT04) and confirmed to contain asbestos.
- Asbestos containing settled dust (WHS_12_AD01) in the form of fibre cement fragments and in the form of loose fibre bundles was identified within the settled dust of the ceiling cavity as accessed via the kitchen ceiling and is classified as friable asbestos. This dust was also found to contain lead concentrations above the adopted site criteria (WHS_12_LD01, 380 mg/kg).
- Assumed asbestos containing materials within old water heater within roof cavity.
- Asbestos containing fibre cement sheeting (WHS_12_MAT05) was identified to the internal lining to the bath/shower, located within the southern portion of the residential structure.
- Assumed asbestos containing fragments of fibre cement sheeting was previously identified within the southern plant room in FWLHD 2017. A representative sample of the wall lining was collected (WHS_12_MAT07) and confirmed to contain asbestos. Interior wall and ceiling linings of consistent appearance were observed in the following locations in the structure and should also be assumed to contain asbestos:

  - Internal southern plant room ceiling lining;
  - Internal western room wall lining; and
  - Internal western room ceiling lining.

- An assumed asbestos containing electrical backing board was previously identified within the northern porch of the structure in FWLHD 2017 however, a detailed inspection and sampling was not possible due to the supply of live electricity.
- Assumed asbestos containing gully collar was identified within the eastern drainage pit of the structure in FWLHD 2017 however, a detailed inspection and sampling was not possible due to the placement down a pipe of the suspected hazardous materials.
- Non-asbestos containing blue vinyl floor tiles (WHS_12_MAT06) was identified to the floor covering through the internal hallway.
- Lead concentrations within settled dust above the adopted site criteria (WHS_12_LD02, 570 mg/kg) was identified within the storeroom windowsill. This dust was also found not to contain asbestos (WHS_12_AD02).

- Lead based blue paint (WHS_12_P01, 0.71 % w/w) was identified to the internal plasterboard walls within the structure.
- Lead based red paint (WHS_12_P02, 0.99 % w/w) was identified to the external door jambs and window trims.
- Lead based blue paint (WHS_12_P03, 0.34 % w/w) was identified to the external fibre cement sheet clad walls.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Assumed SMF materials were identified throughout the building in various forms as follows:
    - Internal insulation to hot water systems; and
    - Internal insulation to former hot water system within the ceiling cavity.

### 3.13 Uni Staff Quarters/Accommodation/USYD

The Uni Staff Quarters structure was located in the central eastern portion of the site and comprised a single storey residential type structure with a corrugated metal roof, exterior corrugated metal walls, plasterboard internal walls and ceilings, and various floor covering.

Internally, the building comprised a large open living/dining room, a kitchen, multiple bedrooms and toilet/bathroom facilities.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- A hot water system was identified external to the south of the structure and is assumed to contain internal SMF insulation.

### 3.14 Senior Activity Centre / Physio / Community Centre

The Senior Activity Centre structure was located in the north-east portion of the site and comprised a single storey structure with a corrugated metal roof, combination corrugated metal and exposed brick external walls, cement rendered brick internal walls, and concrete floors with various coverings.

Internally, the building comprised multiple offices, kitchen, activity room, multiple storerooms, multiple toilet and bathroom facilities, and a plant room.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified and/or identified discrepancies with FWLHD 2017 during the HBMS is as follows:

- Assumed asbestos containing fibre cement sheet was previously identified to the to the cupboard ceiling lining of the hallway cupboards in FWLHD 2017. A representative sample was collected (WHS_14_MAT01) and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed in the following locations in the western portion of the building and should also be assumed to contain asbestos:
    - Internal laundry cupboard lining;

- Internal communications cupboard lining; and
- Internal hallway cupboard lining.

- Assumed asbestos containing fibre cement sheeting was previously identified to the to the ceiling lining of the south-western storeroom in FWLHD 2017. A representative sample was collected (WHS_14_MAT05) and confirmed to contain asbestos. Ceiling linings of consistent appearance were observed in the following locations in the structure and should also be assumed to contain asbestos :
  - Internal western bathroom ceiling lining;
  - Internal laundry ceiling lining;
  - Internal north-eastern bathroom ceiling lining;
  - Internal eastern storeroom ceiling lining; and
  - Internal south-western wall lining above glass sliding door.
- Non-asbestos containing yellow vinyl flooring (WHS_14_MAT02) was identified to the western bathroom flooring.
- Non-asbestos containing pipe insulation (WHS_14_MAT03) was accessed from the activities room ceiling cavity.
- Non-asbestos containing fibre cement flat sheeting (WHS_14_MAT04) was identified to the northern porch lining.
- Non-asbestos containing yellow vinyl flooring (WHS_14_MAT07) was identified to the south-eastern external aspect of the building.
- Lead concentrations within settled dust below the adopted site criteria WHS_14_LD01, 13 mg/kg) was identified within the ceiling cavity accessed through the activities room. This dust was also found not to contain asbestos (WHS_14_AD01).
- Lead based yellow paint (WHS_14_P03, 1.9 % w/w) was identified to the external window trim, door jambs and eaves.
- Non-lead based white paint (WHS_14_P01, 0.01 % w/w) was identified to the ceiling lining.
- Non-lead based yellow paint (WHS_14_P02, 0.05 % w/w) was identified to the internal plasterboard wall lining.
- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- Assumed SMF materials were identified throughout the building in various forms as follows:
  - Internal insulation to instant hot water systems within the southern storeroom;
  - Insulation batts within ceiling cavities; and
  - Insulation to air conditioning ducting within ceiling cavities.

### 3.15 Staff Accommodation

The Staff Accommodation structure was located in the eastern portion of the site and comprised a single storey residential type structure with a corrugated metal roof, exterior corrugated metal walls, plasterboard internal walls and ceilings, and various floor covering.

Internally, the building comprised a large open living/dining room, a kitchen, multiple bedrooms and toilet/bathroom facilities.

A review and re-assessment of the previously identified hazardous materials within the building was undertaken and were generally found to be consistent with the findings in FWLHD 2017. A summary of the additional hazardous materials identified with FWLHD 2017 during the HBMS is as follows:

- Fluorescent light fittings were identified throughout and are suspected to contain PCB capacitors, however, a detailed inspection was not possible due to the supply of live electricity.
- A hot water system was identified external to the east of the structure and is assumed to contain internal SMF insulation.

### 3.16 LPG Gas Storage

The LPG Gas Storage area was located in the south-western portion of the site, directly south of the contaminated waste storage. The structure comprised a metal frame, wire mesh walls, concrete floor and a gas bullet.

No hazardous materials were identified at the time of inspection.

### 3.17 Pump Station

The Pump Station was located in the north-western portion of the site, directly north of the Wentworth Health Services building. The structure comprised a metal frame, corrugated metal walls and ceiling, concrete floor and electronic switch board.

No hazardous materials were identified at the time of inspection.

# 4. Results

## 4.1 Hazardous Materials

All identified hazardous materials are recorded in the Hazardous Materials Register in **Appendix A** with relevant photographs in **Appendix B**. NATA accredited laboratory analysis reports and chain of custody are provided in **Appendix C**.

### 4.1.1 Asbestos Containing Materials

ACM were identified by testing at an accredited NATA laboratory and/or visual inspection using the experience of the hazardous materials surveyor. A summary of the results of laboratory testing for asbestos are provided in **Table 4.1** below.

**Table 4.1: Asbestos Results Summary Table**

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #01 – Wentworth Health Services Building (Hospital)*** | | | | |
| WHS_01_MAT01 | 22-Au0034231 | Building 01 – North-west Pan Room Ceiling Lining - fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected** | Non-friable |
| WHS_01_MAT02 | 22-Au0034232 | Building 01 – Former Labour Room – Floor - black waterproofing | No asbestos detected. | N/A |
| WHS_01_MAT03 | S22-Au0034233 | Building 01 – North-west Pan Room Flooring – Vinyl Floor Tiles | **Chrysotile asbestos detected.(a)** | Non-friable |
| WHS_01_MAT04 | S22-Au0034234 | Building 01 – Former Maternity/Surgical Wing cupboard lining - fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| WHS_01_MAT05 | S22-Au0034235 | Building 01 – Internal wall lining west veranda lining - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_01_MAT06 | S22-Au0034236 | Building 01 – Former Maternity wing Veranda - Grey flexible vinyl tile | No asbestos detected. | N/A |
| WHS_01_MAT07 | S22-Au0034237 | Building 01 – Former Maternity wing - Cream flexible vinyl tile | No asbestos detected. | N/A |
| WHS_01_MAT08 | S22-Au0034239 | Building 01 – Former Maternity wall lining - White linoleum sheet | No asbestos detected. | N/A |
| WHS_01_MAT09 | S22-Au0034241 | Building 01 – Main Hall Flooring – Yellow/ brown semi brittle vinyl sheet | No asbestos detected. | N/A |
| WHS_01_MAT10 | S22-Au0034246 | Building 01 – Former Maternity/Surgical Wing – North-west wall veranda lining - fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| WHS_01_MAT11 | S22-Au0034247 | Building 01 – Former Maternity/Surgical Wing – Cupboard Internal Lining (as per ceiling of veranda) - fibre cement sheeting | **Chrysotile and amosite asbestos detected.** | Non-friable |
| WHS_01_MAT12 | S22-Au0034248 | Building 01 - Main Hall Flooring Brown flexible vinyl flooring | No asbestos detected | N/A |
| WHS_01_MAT13 | S22-Au0034249 | Building 01 – Hotel Services – Ceiling panel - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_01_MAT14 | S22-Au0034252 | Building 01 – Hotel Services Store Room ceiling lining - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_01_MAT15 | S22-Au0034254 | Building 01 – External Angled Eaves - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_01_MAT16 | S22-Au0034255 | Building 01 – External Flat Eaves (sampled external to stores room) - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| ***Building #02 – Old Boiler House*** | | | | |
| WHS_02_MAT01 | S22-Au0034262 | Building 02 – External - fibre cement sheeting - | **Chrysotile asbestos detected.** | Non-friable |
| WHS_02_MAT02 | S22-Au0034263 | Building 02 – External Eaves – Compressed wood | No asbestos detected. | N/A |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| WHS_02_MAT03 | S22-Au0034267 | Building 02 – Internal Wall lining - fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_02_MAT04 | S22-Au0034268 | Building 02 – Internal fibre cement sheeting panel joiners | **Chrysotile asbestos detected.** | Non-friable |
| WHS_02_MAT05 | S22-Au0034270 | Building 02 – Mastic between buildings 01 & 02 | No asbestos detected. | N/A |
| WHS_02_MAT06 | S22-Au0034271 | Building 02 – External Super 6 roofing | **Chrysotile and crocidolite asbestos detected.** | Non-friable |
| WHS_02_MAT07 | S22-Au0034272 | Building 02 – External Roof Gutter accumulated debris | **Chrysotile and crocidolite asbestos detected in the form of loose fibre bundles.** | Friable |
| ***Building #03 – Old Pump Shed*** | | | | |
| WHS_03_MAT01 | S22-Au0034275 | Building 03 -External Walls - fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| WHS_03_MAT02 | S22-Au0034276 | Building 03 – External Super 6 roofing | **Chrysotile and crocidolite asbestos detected.** | Non-friable |
| ***Building #04 – Old Dirty Linen*** | | | | |
| WHS_04_MAT01 | S22-Au0034280 | Building 04 – Internal wall lining fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_04_MAT02 | S22-Au0034281 | Building 04 – fireplace sealant rope | **Chrysotile asbestos detected.** | Friable |
| ***Building #05 – Contaminated Waste*** | | | | |
| No material samples were collected at the time of inspection | | | | |
| ***Building #06 – Staff Amenities Block*** | | | | |
| WHS_06_MAT01 | S22-Au0034284 | Building 06 – External Eaves fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| ***Building #07 – Maintenance Storage Shed*** | | | | |
| WHS_07_MAT01 | S22-Au0034285 | Building 07 – External wall lining fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| WHS_07_MAT02 | S22-Au0034286 | Building 07 – External Eaves fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| ***Building #08 – Infectious Waste/Old Morgue*** | | | | |
| WHS_08_MAT01 | S22-Au0034290 | Building 08 – External Eaves fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| ***Building #09 – Maintenance Workshop*** | | | | |
| WHS_09_MAT01 | S22-Au0034293 | Building 09 – Internal, ceiling lining, fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| ***Building #10 – Emergency Generator Shed*** | | | | |
| No material samples were collected at the time of inspection | | | | |
| ***Building #11 – Carport/Storage Shed*** | | | | |
| WHS_11_MAT01 | S22-Au0034296 | Building 11 – Accumulated broken fibre cement sheeting | No asbestos detected. | N/A |
| ***Building #12 – Old Nurses Home (Condemned)*** | | | | |
| WHS_12_MAT01 | S22-Au0034297 | Building 12 – External Eaves – fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_12_MAT02 | S22-Au0034298 | Building 12 –External Cladding – fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_12_MAT03 | S22-Au0034299 | Building 12 – Internal Wall lining fibre cement sheeting | **Chrysotile, amosite and crocidolite asbestos detected.** | Non-friable |
| WHS_12_MAT04 | S22-Au0034300 | Building 12 – Fibre cement sheeting fragments within roof cavity | **Chrysotile and amosite asbestos detected.** | Non-friable |
| WHS_12_MAT05 | S22-Au0034301 | Building 12 – Bath/Shower wall lining fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| WHS_12_MAT06 | S22-Au0034302 | Building 12 – Flooring under cardboard | No asbestos detected. | N/A |
| WHS_12_MAT07 | S22-Au0034310 | Building 12 – Internal wall lining within plant room fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| ***Building #13 – Uni Staff Quarters*** | | | | |
| No material samples were collected at the time of inspection | | | | |
| ***Building #14 – Senior Activity Centre*** | | | | |
| WHS_14_MAT01 | S22-Au0034311 | Building 14 – Internal cupboard lining – fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_14_MAT02 | S22-Au0034312 | Building 14 – Internal Bathroom Flooring – Yellow linoleum | No asbestos detected. | N/A |
| WHS_14_MAT03 | S22-Au0034315 | Building 14 – Pipe insulation within ceiling | No asbestos detected. | N/A |
| WHS_14_MAT04 | S22-Au0034316 | Building 14 – North entrance ceiling lining | No asbestos detected. | N/A |
| WHS_14_MAT05 | S22-Au0034319 | Building 14 – Ceiling lining (sampled from storeroom) fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_14_MAT06 | S22-Au0034320 | Building 14 – External angled eaves fibre cement sheeting | **Chrysotile asbestos detected.** | Non-friable |
| WHS_14_MAT07 | S22-Au0034321 | Building 14 – External southern weatherboards fibre cement sheeting | No asbestos detected. | N/A |
| ***Building #15 – Staff Accommodation*** | | | | |
| No material samples were collected at the time of inspection | | | | |
| ***Building #16 – LPG Gas Storage*** | | | | |
| No material samples were collected at the time of inspection | | | | |
| ***Building #17 – Pump Station*** | | | | |
| No material samples were collected at the time of inspection | | | | |

### 4.1.2 Asbestos Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for asbestos are provided in **Table 4.2** below.

**Table 4.2: Asbestos Dust Results Summary Table**

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #01 – Wentworth Health Services Building (Hospital)*** | | | | |
| WHS_01_AD01 | S22-Au0034242 | Ceiling cavity – Former Maternity Pan room ceiling cavity - settled dust | No Asbestos Detected | N/A |
| WHS_01_AD02 | S22-Au0034244 | Eastern Veranda – Internal Former Maternity - window frame settled dust | No Asbestos Detected | N/A |
| WHS_01_AD03 | S22-Au0034250 | Store Room – settled floor dust | No Asbestos Detected | N/A |
| WHS_01_AD04 | S22-Au0034256 | Old Records Room – settled floor dust | No Asbestos Detected | N/A |
| ***Building #02 – Old Boiler House*** | | | | |
| WHS_02_AD01 | S22-Au0034265 | Internal boiler room – settled floor dust | No Asbestos Detected | N/A |
| ***Building #03 – Old Pump Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #04 – Old Dirty Linen*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #05 – Contaminated Waste*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #06 – Staff Amenities Block*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #07 – Maintenance Storage Shed*** | | | | |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| WHS_07_AD01 | S22-Au0034288 | Internal – settled floor dust | **Chrysotile asbestos detected in the form of loose fibre bundles. Total estimated asbestos concentration = 0.078% w/w*** | Friable |
| ***Building #08 – Infectious Waste/Old Morgue*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #09 – Maintenance Workshop*** | | | | |
| WHS_09_AD01 | S22-Au0034294 | Internal – settled floor dust | No Asbestos Detected | N/A |
| ***Building #10 – Emergency Generator Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #11 – Carport/Storage Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #12 – Old Nurses Home (Condemned)*** | | | | |
| WHS_12_AD01 | S22-Au0034303 | Ceiling cavity, accessed via kitchen – settled dust | **Chrysotile asbestos detected in fibre cement fragments and in the form of loose fibre bundles. Total estimated asbestos concentration = 1.9% w/w*** | Friable |
| WHS_12_AD02 | S22-Au0034305 | Southern pantry storeroom - settled window dust | No Asbestos Detected | N/A |
| ***Building #13 – Uni Staff Quarters*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #14 – Senior Activity Centre*** | | | | |
| WHS_14_AD01 | S22-Au0034313 | Ceiling cavity, accessed via Activities room – settled dust | No Asbestos Detected | N/A |
| ***Building #15 – Staff Accommodation*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #16 – LPG Gas Storage*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #17 – Pump Station*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |

### 4.1.3 Lead Containing Dust

Representative dust samples were collected throughout the site. A summary of the results of the laboratory testing for lead are provided in **Table 4.3** below.

**Table 4.3: Lead Dust Results Summary Table**

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #01 – Wentworth Health Services Building (Hospital)*** | | | | |
| WHS_01_LD01 | S22-Au0034243 | Ceiling cavity – Previous Maternity/Surgical Pan room - settled dust | **540 mg/kg** | Poor |
| WHS_01_LD02 | S22-Au0034245 | Eastern Veranda – Previous Maternity/Surgical area - settled window dust | **670 mg/kg** | Poor |
| WHS_01_LD03 | S22-Au0034251 | Store Room – settled floor dust | <5 mg/kg | N/A |
| WHS_01_LD04 | S22-Au0034257 | Old Records Room – settled floor dust | **1600 mg/kg** | Poor |
| ***Building #02 – Old Boiler House*** | | | | |
| WHS_02_LD01 | S22-Au0034266 | Internal boiler room – settled floor dust | **680 mg/kg** | Poor |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #03 – Old Pump Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #04 – Old Dirty Linen*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #05 – Contaminated Waste*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #06 – Staff Amenities Block*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #07 – Maintenance Storage Shed*** | | | | |
| WHS_07_LD01 | S22-Au0034289 | Internal – settled floor dust | 200 mg/kg | N/A |
| ***Building #08 – Infectious Waste/Old Morgue*** | | | | |
| | | | | |
| ***Building #09 – Maintenance Workshop*** | | | | |
| WHS_09_LD01 | S22-Au0034295 | Internal – settled floor dust | 58 mg/kg | N/A |
| ***Building #10 – Emergency Generator Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #11 – Carport/Storage Shed*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #12 – Old Nurses Home (Condemned)*** | | | | |
| WHS_12_LD01 | S22-Au0034304 | Ceiling cavity, accessed via kitchen – settled dust | **380 mg/kg** | Poor |
| WHS_12_LD02 | S22-Au0034306 | Southern pantry storeroom - settled window dust | **570 mg/kg** | Poor |
| ***Building #13 – Uni Staff Quarters*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #14 – Senior Activity Centre*** | | | | |
| WHS_14_LD01 | S22-Au0034314 | Ceiling cavity, accessed via Activities room – settled dust | 13 mg/kg | N/A |
| ***Building #15 – Staff Accommodation*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #16 – LPG Gas Storage*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |
| ***Building #17 – Pump Station*** | | | | |
| No settled dust samples were collected at the time of inspection | | | | |

### 4.1.4 Lead Based Paints

Representative paint samples were collected throughout the site for laboratory testing. A summary of the results of laboratory testing for lead are provided in **Table 4.4** below.

**Table 4.4: Lead Paint Results Summary Table**

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #01 – Wentworth Health Services Building (Hospital)*** | | | | |
| WHS_01_P01 | S22-Au0034238 | Internal, Maternity Records room – cement rendered brick walls – green paint | **Lead Based Paint (0.18 % w/w)** | Fair |
| WHS_01_P02 | S22-Au0034240 | Internal, Maternity Records room – timber skirting boards, architraves, door jambs and windows – cream paint | **Lead Based Paint (21 % w/w)** | Fair |
| WHS_01_P03 | S22-Au0034253 | Internal, timber window trim – white paint | **Lead Based Paint (3.8 % w/w)** | Fair |
| WHS_01_P04 | S22-Au0034258 | External, Old Records Room timber door paint – white paint | **Lead Based Paint (3.1 % w/w)** | Poor |
| WHS_01_P05 | S22-Au0034259 | External, applied to brick and metal work – yellow paint | Non-Lead Based Paints (<0.001 % w/w) | N/A |
| WHS_01_P06 | S22-Au0034260 | Internal, Old Records Room cement rendered brick walls – blue paint | Non-Lead Based Paints (0.03 % w/w) | |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #02 – Old Boiler House*** | | | | |
| WHS_02_P01 | S22-Au0034261 | External, eaves, facia & fibre cement sheet walls – white/cream paint | **Lead Based Paints (0.31 % w/w)** | Poor |
| WHS_02_P02 | S22-Au0034264 | Internal, fibre cement sheet walls – green paint | **Lead Based Paint (0.41 % w/w)** | Fair |
| WHS_02_P03 | S22-Au0034269 | External, doors, windows & door trim – brown paint | **Lead Based Paint (8.6 % w/w)** | Poor |
| ***Building #03 – Old Pump Shed*** | | | | |
| WHS_03_P01 | S22-Au0034273 | External, timber windows, fascia &, doors – Brown/Red paint | **Lead Based Paint (6.2 % w/w)** | Poor |
| WHS_03_P02 | S22-Au0034274 | External, fibre cement sheet walls – white/cream paint | **Lead Based Paint (0.24 % w/w)** | Poor |
| ***Building #04 – Old Dirty Linen*** | | | | |
| WHS_04_P01 | S22-Au0034277 | External, corrugated metal walls – white paint | **Lead Based Paint (12 % w/w)** | Poor |
| WHS_04_P02 | S22-Au0034278 | External, timber fascia & door jambs – brown paint | **Lead Based Paint (6.4 % w/w)** | Poor |
| WHS_04_P03 | S22-Au0034279 | Internal, fibre cement sheet walls – green paint | **Lead Based Paint (0.4 % w/w)** | Fair |
| ***Building #05 – Contaminated Waste*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #06 – Staff Amenities Block*** | | | | |
| WHS_06_P01 | S22-Au0034282 | External, fascia & eaves – white paint | **Lead Based Paint (0.75 % w/w)** | Poor |
| WHS_06_P02 | S22-Au0034283 | External, door & door jambs – brown paint | **Lead Based Paint (0.88 % w/w)** | Poor |
| ***Building #07 – Maintenance Storage Shed*** | | | | |
| WHS_07_P01 | S22-Au0034287 | External, fibre cement walls, fascia & eaves – white paint | **Lead Based Paint (0.25 % w/w)** | Poor |
| ***Building #08 – Infectious Waste/Old Morgue*** | | | | |
| WHS_08_P01 | S22-Au0034291 | Internal, cement rendered brick walls – white paint | **Lead Based Paint (9.4 % w/w)** | Fair |
| WHS_08_P02 | S22-Au0034292 | External, timber doors, door jambs, eaves & facia – white paint | **Lead Based Paint (1.4 % w/w)** | Poor |
| ***Building #09 – Maintenance Workshop*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #10 – Emergency Generator Shed*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #11 – Carport/Storage Shed*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #12 – Old Nurses Home (Condemned)*** | | | | |
| WHS_12_P01 | S22-Au0034307 | Internal, plasterboard walls (behind covering) – blue paint | **Lead Based Paint (0.71 % w/w)** | Poor |
| WHS_12_P02 | S22-Au0034308 | External, door jambs and window trim– red paint | **Lead Based Paint (0.99 % w/w)** | Poor |
| WHS_12_P03 | S22-Au0034309 | External, fibre cement sheet walls–blue paint | **Lead Based Paint (0.34 % w/w)** | Fair |
| ***Building #13 – Uni Staff Quarters*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #14 – Senior Activity Centre*** | | | | |
| WHS_14_P01 | S22-Au0034317 | Internal, plasterboard ceiling lining– white paint | Non-Lead Based Paint (0.01 % w/w) | N/A |
| WHS_14_P02 | S22-Au0034318 | Internal, plasterboard wall lining – yellow paint | Non-Lead Based Paint (0.05 % w/w) | N/A |
| WHS_14_P03 | S22-Au0034322 | External, window trim, door jambs & eaves – white paint | **Lead Based Paint (1.9 % w/w)** | Poor |
| ***Building #15 – Staff Accommodation*** | | | | |
| No paint samples were collected at the time of inspection | | | | |

| Sample ID | Lab ID | Sample Location | Results | Observed Condition |
|---|---|---|---|---|
| ***Building #16 – LPG Gas Storage*** | | | | |
| No paint samples were collected at the time of inspection | | | | |
| ***Building #17 – Pump Station*** | | | | |
| No paint samples were collected at the time of inspection | | | | |

### 4.1.5 Polychlorinated Biphenyls

Detailed inspection of capacitors in light fittings could not be undertaken due to the electricity supply to the fittings being active. Therefore, PCB containing capacitors are assumed to be present within the older light fittings throughout the site.

### 4.1.6 Synthetic Mineral Fibres

Suspected SMF materials were identified in various forms throughout the site. Full details of all identified SMF materials are provided in the Hazardous Materials Register (Appendix A). The typical forms of SMF identified are summarised below:

- Internal insulation to hot water systems and boilers;
- Insulation lagging to ducting and pipework;
- Insulation batts within ceiling cavities; and
- Insulation to roof sarking.

### 4.1.7 Inaccessible Areas

There were a number of inaccessible areas at the time of inspection as outlined below:

- Building 1 –
  - Potential asbestos lagged pipework on roof of structure and was unable to be accessed at the time of inspection;
  - Underfloor cavity; and
  - Ceiling Cavity only accessed in one location.
- Building 2 –Ceiling cavity
- Building 3 – Internal aspect to the shed was blocked and unable to be accessed at the time of inspection
- Building 4 – Ceiling Cavity
- Building 6 – Ceiling cavity
- Building 8 – Ceiling cavity

A number of the above listed inaccessible areas were noted to have been surveyed previously in FWLHD 2017. The details provided in FWLHD 2017 in relation to hazardous materials previously identified within these inaccessible areas is assumed to still be present. Additionally, a number of assumptions have been made in relation to presence of hazardous materials within these areas based on the type and construction of the structures.

# 5. Conclusions and Recommendations

Based on the scope of this assessment and with reference to the limitations included in Section 6, the following conclusions are made with respect to the Hazardous Materials Survey completed.

## 5.1 Hazardous Materials

Identified and suspected hazardous building materials were observed throughout the site as a result of visual identification and laboratory analysis. A number of the identified hazardous building materials present a significant exposure risk to future site occupants and demolition workers if they are not appropriately managed/removed. It is recommended that a hazardous materials management plan be prepared for the site detailing the procedures for the management and removal of the identified hazardous materials to be implemented prior to and for the duration of the proposed demolition works.

The following broad recommendations are made for the removal of the identified hazardous materials to potentially mitigate harmful effects as a result of the proposed works program. Further detail on the appropriate removal and management methods for identified and suspected hazardous building materials shall be included in the site hazardous materials management plan. The person with management or control of the site, must ensure, so far as is reasonably practicable, that the identified hazardous materials are removed prior to the commencement of the proposed demolition works.

The identified and suspected hazardous materials are presented in the Hazardous Materials Register included as **Appendix A**.

### 5.1.1 Asbestos Containing Materials

#### 5.1.1.1 Friable Asbestos Containing Dusts

Friable asbestos impacted dusts have been identified within the external roof guttering of the Old Boiler House (Building 2), to internal floor surfaces of the Maintenance Storage Shed (Building 7) and within the ceiling cavity of the Old Nurses Home (Building 12) that are considered to pose an asbestos exposure risk. The following asbestos management actions are required to be implemented to these areas:

- Access to the guttering of the Old Boiler House (Building 2); Maintenance Storage Shed (Building 7) and ceiling cavity of the Old Nurses Home (Building 12) shall be immediately restricted, and appropriate asbestos warning signage installed to access/egress points to inform personnel of the known asbestos hazards for the interim period and until asbestos removal works can be completed.
- In the event that access to these areas is required, care should be taken to avoid any activities that may disturb the identified friable asbestos hazards. Personal protective equipment (PPE) shall be adopted to preclude potential inhalation exposures to dusts, including – as a minimum – P2 half face respirators and disposable coveralls worn by any persons who require to enter the areas, with appropriate decontamination procedures implemented when exiting the friable asbestos impacted areas.
- The identified friable ACD hazards will be disturbed as part of the proposed demolition works and must therefore be appropriately removed by a Class A licensed asbestos removal contractor in accordance with the requirements of Work Health and Safety Act (2011), Work Health and Safety Regulation (2017) and SWNSW 2019a prior to any demolition works commencing. An asbestos removal control plan is to be developed by the engaged Class A licensed asbestos removalist prior to the removal works, outlining the specific removal methodologies and control measures necessary to minimise any risk from exposure to asbestos.

- A notification to remove friable asbestos shall be submitted to SafeWork NSW by the engaged Class A contractor prior to works commencing. No asbestos removal works may commence until receipt of the accepted notification to remove friable asbestos from SafeWork NSW.
- Asbestos waste and asbestos impacted waste materials shall be disposed of to an appropriately licensed landfill in accordance with NSW EPA 2014.
- Air monitoring is required to be conducted during the removal of the friable asbestos impacted dusts and following their completion (clearance monitoring, see **Section 5.1.1.3**) by an independent Licensed Asbestos Assessor (LAA).

#### 5.1.1.2 Friable and Non-Friable Asbestos Containing Materials

Friable and non-friable ACM has been identified in various forms throughout the site. Prior to the demolition of the structures, it is recommended that the following work is undertaken in conjunction with the friable ACD removal works detailed in **Section 5.1.1.1** above:

- A Class A licensed asbestos removalist shall be engaged to remove all asbestos containing materials as identified in the Hazardous Materials Register (**Appendix A**). Removal and disposal of non-friable asbestos materials shall be undertaken in accordance with the Work Health and Safety Act (2011), Work Health and Safety Regulation (2017) and SWNSW 2019a.
- Asbestos air monitoring must be undertaken by the independent LAA during all friable asbestos removal works and is also strongly recommended to be undertaken during non-friable asbestos removal activities.

#### 5.1.1.3 Clearance Certification

- Following completion of friable and/or non-friable asbestos removal works within each structure, a clearance inspection shall be undertaken by the independent LAA to ensure that all the asbestos containing materials identified in the Hazardous Materials Register (**Appendix A**) have been removed to a satisfactory industry standard.
- Clearance air monitoring is required to be undertaken as part of the clearance inspection following the removal of the friable asbestos hazards. The results of the clearance air monitoring will form part of the clearance certification.
- Following the completion of the clearance inspection, a clearance certificate shall be issued by the LAA to confirm that the identified non-friable asbestos hazards and/or friable asbestos hazards have been successfully removed and that each structure is suitable for proposed demolition or refurbishment works to commence.

#### 5.1.1.4 Lead Containing Dust

Elevated levels of lead in dust above the adopted site criteria were identified within a number of structures at the site. A suitably experienced hazardous materials removal contractor should be engaged to remove the lead containing dust in accordance with the AS4361.2-2017 prior to the commencement of any demolition works.

### 5.1.2 Lead Based Paints

The lead based paints, as identified in Hazardous Materials Register (**Appendix A**), ranged in condition from fair to poor and should be managed in accordance with the AS4361.2-2017. Where peeling or deteriorated they should be removed under controlled conditions by an experienced contractor prior to demolition. Stable lead based paints adhered to building fabric can be disposed as general solid waste in accordance with NSW EPA 2014 provided care is taken to minimise any potential for paint flakes to be dispersed onto ground surfaces and building and demolition waste is not proposed to be recycled.

Where building and demolition wastes are proposed to be recycled that are impacted by lead paints, the lead paints must be stripped prior to demolition works commencing . any removed lead paint waste must be disposed of as hazardous  waste in accordance with NSW EPA 2014.

### 5.1.3 Polychlorinated Biphenyls

All old fluorescent light fittings throughout the site are to be treated as containing PCB capacitors unless further investigation confirms otherwise. These light fittings should be removed and disposed of as Scheduled Waste or re-inspected once safe access can be provided to confirm the presence or absence of PCB capacitors.

### 5.1.4 Synthetic Mineral Fibres

The synthetic mineral fibres encountered during this inspection were generally contained and 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 [NOHSC: 1004(1990)] and [NOHSC: 2006(1990)].

## 5.2 Inaccessible Areas

Areas inaccessible during the current HBMS should be inspected by a suitably qualified competent person prior to any works commencing. Suspected ACM should be sampled by a suitably qualified competent person prior to any works commencing.

## 5.3 Unexpected Finds

Any materials deemed to be consistent with those detailed in the Hazardous Materials Register that have not been previously identified should be assumed to have the same content and be treated accordingly.

Should any additional suspected hazardous materials be observed during or prior to demolition works, works should cease until a suitably qualified occupational hygienist can assess the suspected hazardous material and provide appropriate recommendations for management and/or removal.

# 6. 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 enquiries.

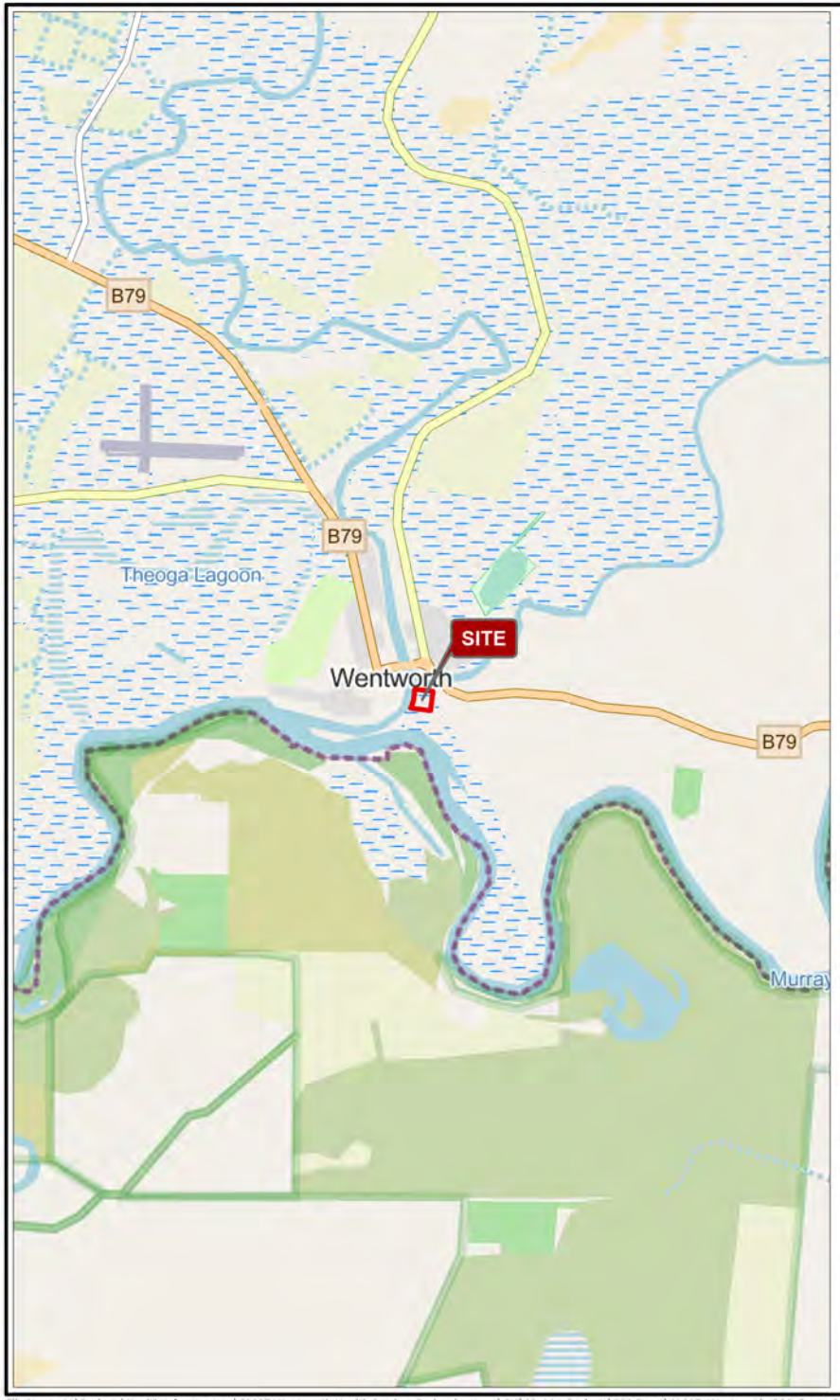
Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the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

## Figures





**Legend:**

Approximate Site Boundary

JBS&G

| | |
|---|---|
| Job No: 63097 | |
| Client: Health Infrastructure | |
| Version: R03 Rev A | Date 28/08/2022 |
| Drawn By: LJ | Checked By: MD |

Scale 1:75,000 and 1:30,000

0 600 1,200 metres and 0 250 500 metres

Coord. Sys. GDA 1994 MGA Zone 54

**24 Hospital Road**
**Wentworth, NSW**

**SITE LOCATION**

**FIGURE 1**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\02_MapProjects\R03 Rev A\63097_Wentworth_R03_RevA_GDA94_54.aprx
Reference: Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri


**Legend:**

- Approximate Site Boundary
- Cadastre (DFSI, 2021)
- Building Outline

**Building Usage**

01. Wentworth Health Services Building (Hospital)
02. Old Boiler House
03. Old Pump Shed/Room
04. Old Dirty Linen
05. Contaminated Waste
06. Staff Amenities Block
07. Maintenance Storage Shed
08. Infectious Waste/Old Morgue
09. Maintenance Workshop
10. Emergency Generator Shed
11. Carports/Storage Shed
12. Old Nurses Home (Condemned)
13. Uni Staff Quarters/Accommodation/ USYD
14. Senior Activity Centre/Physio/ Community Centre
15. Staff Accommodation
16. LPG Gas Storage
17. Pump Station (PS07) Control Panel Shed

JBS&G

Job No: 63097

Client: Health Infrastructure

| Version: R03 Rev A | Date 1/09/2022 |
|---|---|
| Drawn By: LJ | Checked By: MD |

Scale 1:1,300

0 10 20
metres

Coord. Sys. GDA 1994 MGA Zone 54

**24 Hospital Road**
**Wentworth, NSW**

**SITE LAYOUT**

**FIGURE 2**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\02_MapProjects\R03 Rev A\63097_Wentworth_R03_RevA_GDA94_54.aprx
Reference: Nearmap www.nearmap.com 20220706


**Legend:**

- Community Centre
- AC Ceiling
- AC Eaves
- AC External Walls

JBS&G

Job No: 63097

Client: Health Infrastructure

| Version: R03 Rev A | Date 01/09/2022 |
|---|---|
| Drawn By: LJ | Checked By: MD |

Scale 1:200

0 2 4

metres

Coord. Sys. GDA 1994 MGA Zone 54

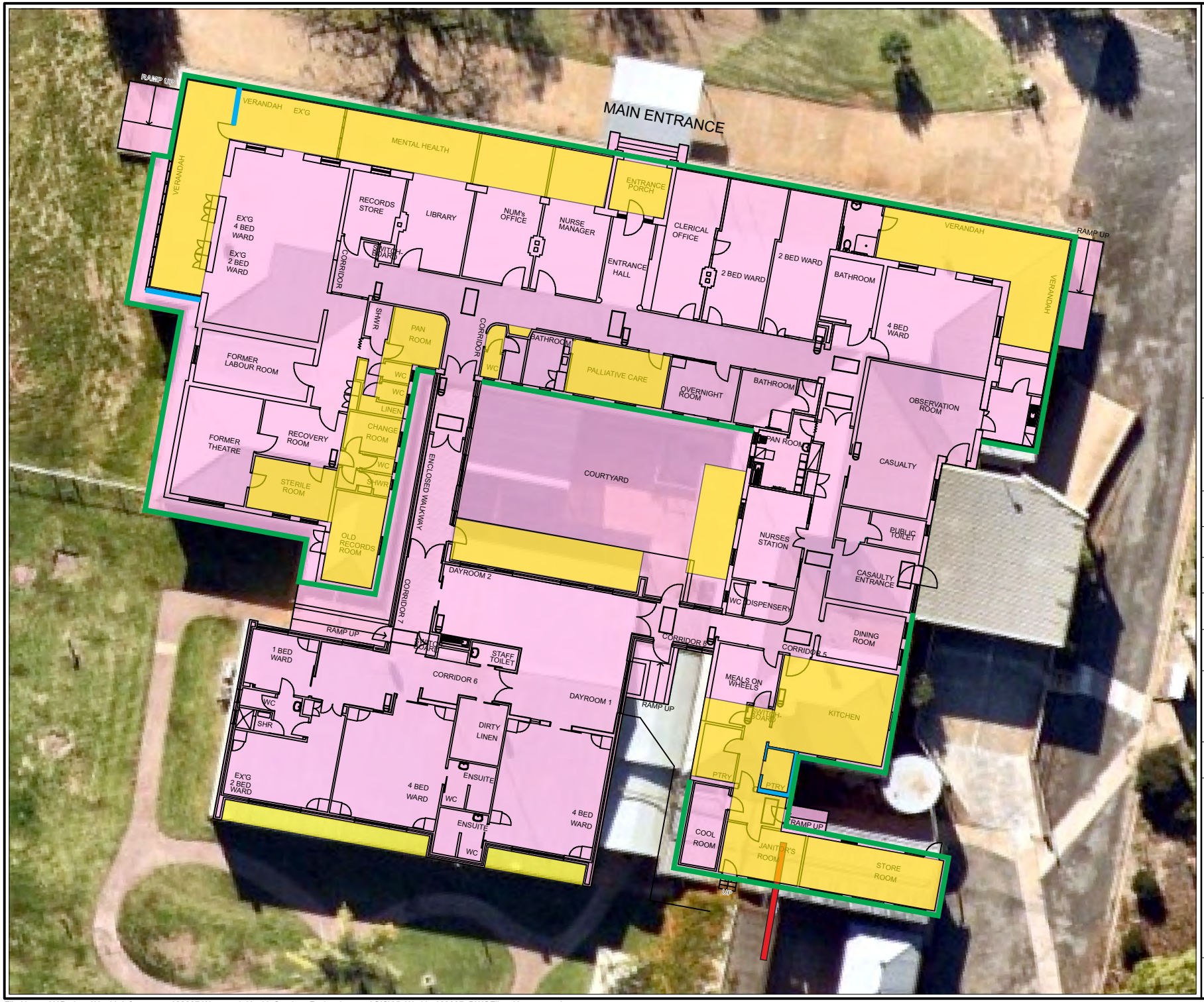
**24 Hospital Road**
**Wentworth, NSW**

**BUILDING 14 - COMMUNITY CENTRE**

**HAZARDOUS BUILDING MATERIAL SURVEY**

**FIGURE 3A**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\05_Working\63097_DWGFiles_Hazmat_v2.mxd




**Legend:**

- Health Services Building
- AC Ceiling
- AC Eaves
- AC External Walls
- ACM Pipe

JBS&G

Job No: 63097

Client: Health Infrastructure

| Version: R03 Rev A | Date 01/09/2022 |
|---|---|
| Drawn By: LJ | Checked By: MD |

Scale 1:300

0 3 6

metres

Coord. Sys. GDA 1994 MGA Zone 54

**24 Hospital Road**
**Wentworth, NSW**

**BUILDING 1 - HEALTH SERVICES**

**HAZARDOUS BUILDING MATERIAL SURVEY**

**FIGURE 3B**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\05_Working\63097_DWGFiles_Hazmat.mxd


**Legend:**
- AC Ceiling
- AC Eaves
- AC External Walls
- AC Internal Walls
- Walls

JBS&G

Job No: 63097

Client: Health Infrastructure

| Version: R03 Rev A | Date 2/09/2022 |
|---|---|
| Drawn By: LJ | Checked By: MD |

Scale 1:100

0 1 2
metres

Coord. Sys. GDA 1994 MGA Zone 54

**24 Hospital Road**
**Wentworth, NSW**

**BUILDING 12 - OLD NURSES HOME**

**HAZARDOUS BUILDING MATERIAL SURVEY**

**FIGURE 3C**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\02_MapProjects\R03 Rev A\63097_Wentworth_R03_RevA_GDA94_54.aprx
Reference: Nearmap www.nearmap.com 20220706


**Legend:**

- Approximate Site Boundary
- Building Outline
- AC Ceiling
- AC Eaves
- AC External Walls
- AC Internal Walls
- AC Roof
- ACM Pipe

JBS&G

Job No: 63097

Client: Health Infrastructure

| Version: R03 Rev A | Date 2/09/2022 |
|---|---|
| Drawn By: LJ | Checked By: MD |

Scale 1:300

0 3 6

metres

Coord. Sys. GDA 1994 MGA Zone 54

**24 Hospital Road**
**Wentworth, NSW**

**HAZARDOUS BUILDING MATERIAL SURVEY**

**FIGURE 3D**

File Name: N:\Projects\Health Infrastructure\63097 Wentworth Health Services Redevelopment\GIS\02_MapProjects\R03 Rev A\63097_Wentworth_R03_RevA_GDA94_54.aprx
Reference: Nearmap www.nearmap.com 20220706

# Appendix A Hazardous Materials Register

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building #1 – Wentworth Hospital Services Building (Hospital)**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_01_MAT01 | Former Maternity Pan Room Ceiling Lining | Fibre cement sheeting | 2 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Maternity Bathroom Ceiling Lining | Fibre cement sheeting | 3 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Maternity Shower Ceiling Lining | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 5 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Maternity linen Ceiling Lining | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 4 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Surgical change room Ceiling Lining | Fibre cement sheeting | 4 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Surgical bathroom/shower Ceiling Lining | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Former Surgical sterile room Ceiling Lining | Fibre cement sheeting | 5 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Old Records Room Ceiling Lining | Fibre cement sheeting | 6 | Yes | Non-Friable | **Assumed Asbestos** | Good | 20 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| As per WHS_01_MAT01 | North-western staff bathroom ceiling lining | Fibre cement sheeting | 7 | Yes | Non-Friable | **Assumed Asbestos** | Good | 5 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | North-western staff bathroom alcove ceiling lining | Fibre cement sheeting | 8 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | North-western corridor hand wash alcove ceiling lining | Fibre cement sheeting | 9 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT01 | Northern Palliative Care ceiling lining | Fibre cement sheeting | 10 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT03 | Former Maternity Pan Room Flooring | Cream Vinyl Floor Tiles | 11 | Yes | Non-Friable | **Chrysotile Asbestos** | Fair/Poor | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT04 | Internal, Former Maternity hallway cupboard lining | Fibre cement sheeting | 12 | Yes | Non-Friable | **Chrysotile, Amosite And Crocidolite Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT05 | Internal former maternity wall lining west veranda lining | Fibre cement sheeting | 13 | Yes | Non-Friable | **Chrysotile Asbestos** | Poor | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT10 | Internal former maternity –south-west wall veranda lining | Fibre cement sheeting | 15, 28 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT11 | Internal Former Maternity West Veranda – Cupboard Lining | Fibre cement sheeting | 14 | Yes | Non-Friable | **Chrysotile and Amosite Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| As per WHS_01_MAT11 | Internal Former Maternity west & north-west Veranda ceiling lining | Fibre cement sheeting | 16 | Yes | Non-Friable | **Assumed Asbestos** | Good | 60 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT11 | Internal northern 'mental health' ceiling lining | Fibre cement sheeting | 17 | Yes | Non-Friable | **Assumed Asbestos** | Good | 20 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT11 | Internal northern 'NUM's office' ceiling lining | Fibre cement sheeting | 18 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT11 | Internal northern 'Nurse Manager' ceiling lining | Fibre cement sheeting | 19 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT11 | External northern entrance porch ceiling lining | Fibre cement sheeting | 20 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT11 | Internal north eastern veranda ceiling lining | Fibre cement sheeting | 21 | Yes | Non-Friable | **Assumed Asbestos** | Good | 50 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT13 | Internal Hotel Services hallway – Ceiling lining | Fibre cement sheeting | 22 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 5 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT13 | Internal Hotel Services kitchen – Ceiling lining | Fibre cement sheeting | 23 | Yes | Non-Friable | **Assumed Asbestos** | Good | 40 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT13 | Internal Hotel Services southern meals on wheels alcove – Ceiling lining | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 5 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| As per WHS_01_MAT13 | Internal Hotel Services western pantry – Ceiling lining | Fibre cement sheeting | 24 | Yes | Non-Friable | **Assumed Asbestos** | Good | 8 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT13 | Internal Hotel Services eastern pantry – Ceiling lining | Fibre cement sheeting | 25 | Yes | Non-Friable | **Assumed Asbestos** | Good | 5 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT13 | Internal Hotel Services eastern pantry – wall lining | Fibre cement sheeting | 25 | Yes | Non-Friable | **Assumed Asbestos** | Good | 6 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT14 | Hotel Services Storeroom ceiling lining | Fibre cement sheeting | 26 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 20 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT14 | Hotel Services Janitors Room ceiling lining | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT14 | Hotel Services Hallway adjacent Janitors Room ceiling lining | Fibre cement sheeting | 27 | Yes | Non-Friable | **Assumed Asbestos** | Good | 5 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_01_MAT15 | External Angled Eaves | Fibre cement sheeting | 28, 29 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 80 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT15 | External Angled Eaves – Internal courtyard | Fibre cement sheeting | 30 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT15 | External Angled Eaves – Gables | Fibre cement sheeting | 31 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_01_MAT16 | External Flat Eaves | Fibre cement sheeting | 32 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 20 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT16 | External Flat Eaves – Internal Courtyard | Fibre cement sheeting | 33 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT16 | External Flat Eaves – Northern Main entrance porch | Fibre cement sheeting | - | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_01_MAT16 | External Flat Eaves – southern awning linings | Fibre cement sheeting | 34 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | External south-eastern roof | Lagged pipe | 35 | No | Friable | **Assumed Asbestos** | Unknown | 10 linear meters | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | External tap pipe stand | Cement pipe | 36 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 linear meter | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| - | External eastern Building 1 electrical box | Electrical Backing Board | 37 | Yes | Non-Friable | **Assumed Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | Old Records Room – southern wall | Electrical Backing Board | 38 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per Far West LHD (2017) | Subfloor packers | Fibre cement sheeting | #1E-28 | No | Non-Friable | **Assumed Asbestos** | Good | Unknown | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 01/08/2017 Far West LHD AB | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| As Per Far West LHD (2017) | Roof space pipework packers | Fibre cement sheeting | #1R-1-2 | No | Non-Friable | **Assumed Asbestos** | Good | Unknown | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 01/08/2017 Far West LHD AB | |
| As Per Far West LHD (2017) | External garden bed | Pipe Collar | #1H-2 | No | Non-Friable | **Assumed Asbestos** | Good | Unknown | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 01/08/2017 Far West LHD AB | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_01_MAT02 | Former Maternity Labour Room – Floor | Black waterproofing | 40 | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_MAT06 | Former Maternity wing veranda flooring | Grey flexible floor tiles | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_MAT07 | Former Maternity wing | Cream flexible vinyl tile | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_MAT08 | Former Maternity wall lining | White linoleum sheet | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_MAT09 | Main Hall Flooring | Yellow semi brittle vinyl sheet | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_MAT12 | Main Hall Flooring | Brown speckle brittle vinyl sheet | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_AD01 | Former Maternity Pan room ceiling cavity | Settled Dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_AD02 | Internal Former Maternity, west veranda window frame | Settled Dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_AD03 | Internal Hotel Services, Storeroom, floor | Settled Dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_01_AD04 | Internal Old Records Room, floor | Settled Dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_01_LD01 | Former Maternity Pan room ceiling cavity | Settled Dust | 39 | Yes | - | **540 mg/kg** | Poor | <100 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_01_LD02 | Internal Former Maternity, west veranda window frame | Settled Dust | | Yes | - | **670 mg/kg** | Poor | <5 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_01_LD03 | Internal Hotel Services, Storeroom, floor | Settled Dust | 26 | Yes | - | <5 mg/kg | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_01_LD04 | Internal Old Records Room, floor | Settled Dust | 6 | Yes | - | **1,600 mg/kg** | Poor | 20 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_01_P01 | Internal, Maternity Records room – cement rendered brick walls | Green paint | 40 | Yes | - | **0.18 % w/w** | Poor | 40 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_01_P02 | Internal, Maternity Records room – timber skirting boards, architraves, door jambs and windows | Cream paint | 40 | Yes | - | **21 % w/w** | Fair | 10 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_01_P03 | Internal – timber skirting boards, architraves, door jambs and windows | White paint | 41 | Yes | - | **3.8 % w/w** | Fair | 40 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_01_P04 | External, Old Records Room timber door paint | White paint | 42 | Yes | - | **3.1 % w/w** | Poor | 10 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 12/08/2022 JBS&G MD | |
| **Non-Lead Based Paints** | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_01_P05 | External, applied to brick and metal work | Yellow paint | 42 | Yes | - | <0.001 % w/w | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_01_P06 | Internal, Old Records Room cement rendered brick walls | Blue paint | 6 | Yes | - | 0.03 % w/w | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | Ceiling cavities | Insulation batts | 39 | Yes | Bonded | **Assumed SMF** | Good | <1,000 $m^2$ | Remove in accordance with NOHSC:2006 (1990) | 11/08/2022 JBS&G MD | |
| **Inaccessible Areas** | | | | | | | | | | | |
| Asbestos lagged pipe work on the roof building | | | | | | | | | Inspect prior to demolition | 11/08/2022 JBS&G MD | |
| Underfloor cavity | | | | | | | | | Inspect prior to demolition | 11/08/2022 JBS&G MD | |
| Ceiling Cavity of additional wings of the building | | | | | | | | | Inspect prior to demolition | 11/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 2 - Old Boiler House**
*Date of Production – 31st August 2022*

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|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_02_MAT01 | External cladding with brick lower | Fibre cement sheeting | 42 | Yes | Non-Friable | **Chrysotile Asbestos** | Fair/Poor | 30 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_02_MAT03 | Internal Wall lining | Fibre cement sheeting | 44 | Yes | Non-Friable | **Chrysotile Asbestos** | Fair/Poor | 70 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_02_MAT03 | Internal ceiling lining | Fibre cement sheeting | 44, 45 | Yes | Non-Friable | **Assumed Asbestos** | Good | 30 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_02_MAT04 | Internal wall lining joining battens | Fibre cement sheeting | 45 | Yes | Non-Friable | **Chrysotile Asbestos** | Fair/Poor | 2 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_02_MAT06 | Roofing | Corrugated fibre cement super six sheeting | 46, 47 | Yes | Non-Friable | **Chrysotile and Crocidolite Asbestos** | Good | 35 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_02_MAT07 | Gutter | Accumulated debris | 47 | Yes | Friable | **Chrysotile and crocidolite asbestos detected in the form of loose fibre bundles.** | Poor | 3 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | Internal, southern room, north wall | Electrical backing board | 48 | Yes | Non-Friable | **Assumed Asbestos** | Unknown | <1 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_02_MAT02 | Eaves | Compressed wood sheeting | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_02_MAT05 | External joining between concrete slabs | Mastic | 49 | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_02_AD01 | Internal floor | Settled Dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_02_LD01 | Internal floor | Settled Dust | - | Yes | - | **680 mg/kg** | Poor | 30 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_02_P01 | External, eaves, facia & fibre cement sheet walls | White/Cream paint | 43 | Yes | - | **0.31 % w/w** | Poor | 70 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_02_P02 | Internal, fibre cement sheet walls | Green paint | 45 | Yes | - | **0.41 % w/w** | Poor | 15 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_02_P03 | External, doors, windows & door trim | Brown paint | 43 | Yes | - | **8.6 % w/w** | Fair | 25 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 11/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | Internal instant hot water systems | Internal insulation | 44 | Yes | Bonded | **Assumed SMF** | Good | 2 units | Remove in accordance with NOHSC:2006 (1990) | 11/08/2022 JBS&G MD | |
| **Inaccessible Areas** | | | | | | | | | | | |
| Ceiling Cavity | | | | | | | | | Inspect prior to demolition. Assumed asbestos dust | 11/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 3 - Old Pump Shed / Room**
*Date of Production – 01 September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_03_MAT01 | External Walls | Fibre cement sheeting | 50, 51 | Yes | Non-Friable | **Chrysotile, amosite and crocidolite asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/22 JBS&G MD | |
| WHS_03_MAT02 | Roofing | Corrugated Super 6 sheeting | 52, 53 | Yes | Non-Friable | **Chrysotile and Crocidolite Asbestos** | Good | 25 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/22 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_03_P01 | External, timber windows, fascia &, doors | Brown/Red paint | 51 | Yes | - | **6.2 % w/w** | Poor | 5 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/22 JBS&G MD | |
| WHS_03_P02 | External, fibre cement sheet walls | White paint | 50, 51 | Yes | - | **0.24 % w/w** | Poor | 25 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/22 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 11/08/22<br>JBS&G<br>MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 11/08/22<br>JBS&G<br>MD | |
| **Inaccessible Areas** | | | | | | | | | | | |
| Internal structure | | | | | | | | | Inspect prior to demolition. | 11/08/22<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 4 - Dirty Linen**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_04_MAT01 | Internal wall lining | Fibre cement sheeting | 56 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 15 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As per WHS_04_MAT01 | Internal ceiling lining | Fibre cement sheeting | 56 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 5 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| WHS_04_MAT02 | Door seal on wood heater | Rope Seal | 57 | Yes | Friable | **Chrysotile Asbestos** | Good | <1 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_04_P01 | External, corrugated metal walls | White paint | 55 | Yes | - | **12 % w/w** | Poor | 20 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 12/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_04_P02 | External, timber fascia & door jambs | Brown paint | 55, 56 | Yes | - | **6.4 % w/w** | Poor | 2 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 12/08/2022 JBS&G MD | |
| WHS_04_P03 | Internal, fibre cement sheet walls | Green paint | 56 | Yes | - | **0.4 % w/w** | Fair | 15 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Inaccessible Areas** | | | | | | | | | | | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 4 - Dirty Linen**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling Cavity | | | | | | | | | Inspect prior to demolition, | 12/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 5 – Contaminated Waste**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| - | Internal, northern wall | Electrical backing board | 59 | Yes | Non-Friable | **Assumed Asbestos** | Unknown | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 6 – Staff Amenities Block**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_06_MAT01 | Eaves | Fibre cement sheeting | 61 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | Ceiling Lining | Fibre cement sheeting | 62, 63 | Yes | Non-Friable | **Assumed Asbestos** | Good | 18 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_06_P01 | External, fascia & eaves | White paint | 61 | Yes | - | **0.75 % w/w** | Poor | 50 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_06_P02 | External, door & door jambs | Brown paint | 62 | Yes | - | **0.88 % w/w** | Poor | 2 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply,<br>OR<br>Handle in accordance with ANZECC 1997 | 11/08/2022<br>JBS&G<br>MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 11/08/2022<br>JBS&G<br>MD | |
| **Inaccessible Areas** | | | | | | | | | | | |
| Ceiling Cavity | | | | | | | | | Inspect prior to Demolition | 11/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 7 – Maintenance Storage Shed**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_07_MAT01 | External wall lining | Fibre cement sheeting | 64 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Poor | 80 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_07_MAT02 | Eaves | Fibre cement sheeting | 64 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Good | 15 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **Asbestos Containing Dust (ACD)** | | | | | | | | | | | |
| WHS_07_AD01 | Floor adjacent to door | Settled Dust | | Yes | Friable | **Chrysotile asbestos detected in the form of loose fibre bundles. Total estimated asbestos concentration = 0.078% w/w*** | Poor | 35 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_07_LD01 | Floor adjacent to door | Settled Dust | - | Yes | - | 200 mg/kg | - | - | No further action required | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_07_P01 | External, timber windows, fascia & eaves | White paint | 64 | Yes | - | **0.25 % w/w** | Poor | 80 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply,<br>OR<br>Handle in accordance with ANZECC 1997 | 11/08/2022<br>JBS&G<br>MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | Ceiling cavities, roof sarking | Insulation | 65 | Yes | Bonded | **Assumed SMF** | Good | 35 $m^2$ | Remove in accordance with NOHSC:2006 (1990) | 11/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 8 – Old Morgue / Contaminated Waste**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_08_MAT01 | Eaves | Fibre cement sheeting | 67 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Good | 12 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | Internal, ceiling lining | Fibre cement sheeting | 68 | Yes | Non-Friable | **Assumed Asbestos** | Good | 20 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| WHS_08_P01 | Internal, cement rendered brick walls | White paint | 68 | Yes | - | **9.4 % w/w** | Poor | 40 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_08_P02 | External, timber doors, door jambs, eaves & facia | White paint | 67 | Yes | - | **1.4 % w/w** | Poor | 20 m² | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply,<br>OR<br>Handle in accordance with ANZECC 1997 | 11/08/2022<br>JBS&G<br>MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 11/08/2022<br>JBS&G<br>MD | |
| **Inaccessible Areas** | | | | | | | | | | | |
| Ceiling Cavity | | | | | | | | | Inspect prior to demolition. | 11/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 9 – Maintenance Workshop**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_09_MAT01 | Internal ceiling lining | Fibre cement sheeting | 70, 71, 72, 73 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 50 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As per WHS_09_MAT01 | Internal wall lining | Fibre cement sheeting | 72, 73 | Yes | Non-Friable | **Assumed Asbestos** | Good | 80 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_09_AD01 | Internal Floor | Settled dust | 73 | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_09_LD01 | Internal Floor | Settled dust | 73 | Yes | - | 58 mg/kg | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Inaccessible Areas** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling cavity inaccessible at the time of inspection | | | | | | | | | Inspect prior to demolition | 12/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 10 – Emergency Generator Shed**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| - | Generator Machinery | Gaskets | 75 | Yes | Non-Friable | Assumed Asbestos | Good | <1 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of the generator fluids could not be undertaken at the time of current inspection. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 11 – Carports/Storage Shed**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| - | Rafters of storage shed | Fibre cement pipe | 78 | Yes | Non-Friable | **Assumed Asbestos** | Unknown | 10 m² | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_11_MAT01 | Floor of storage shed, broken pieces | Fibre cement sheeting | 79 | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 11/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 11/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 12 - Old Nurses Home**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_12_MAT01 | External, eaves | Fibre cement sheeting | 81 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 25 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_12_MAT02 | External, cladding | Fibre cement sheeting | 81 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 130 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_12_MAT03 | Internal cladding - bathroom wall | Fibre cement sheeting | 83 | Yes | Non-Friable | **Chrysotile, Amosite and Crocidolite Asbestos** | Fair | 20 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_12_MAT03 | External cladding – porch ceiling | Fibre cement sheeting | 82 | Yes | Non-Friable | **Assumed Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_12_MAT03 | Internal cladding – bathroom ceiling | Fibre cement sheeting | 83 | Yes | Non-Friable | **Assumed Asbestos** | Good | 6 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_12_MAT03 | Internal cladding - Toilet walls | Fibre cement sheeting | 84 | Yes | Non-Friable | **Assumed Asbestos** | Good | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_12_MAT03 | Internal cladding – toilet ceiling | Fibre cement sheeting | 84 | Yes | Non-Friable | **Assumed Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per WHS_12_MAT03 | Internal cladding - Kitchen walls | Fibre cement sheeting | 85 | Yes | Non-Friable | **Assumed Asbestos** | Good | 20 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| As per WHS_12_MAT03 | Internal cladding – kitchen ceiling | Fibre cement sheeting | 85 | Yes | Non-Friable | **Assumed Asbestos** | Good | 6 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per WHS_12_MAT03 | Internal cladding - pantry walls | Fibre cement sheeting | 86, 87 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As per WHS_12_MAT03 | Internal cladding – pantry ceiling | Fibre cement sheeting | 87 | Yes | Non-Friable | **Assumed Asbestos** | Good | 6 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_12_MAT04 | Roof cavity | Fragments of fibre cement sheeting | 88, 89 | Yes | Non-Friable | **Chrysotile and Amosite Asbestos** | Poor | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_12_MAT05 | Internal, cladding bath/shower | Fibre cement sheeting | 83 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 5 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| WHS_12_MAT07 | Internal southern plant room wall lining | Fibre cement sheeting | 90 | Yes | Non-Friable | **Chrysotile asbestos** | Fair/Poor | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per WHS_12_MAT07 | Internal southern plant room ceiling lining | Fibre cement sheeting | 91 | Yes | Non-Friable | **Assumed asbestos** | Fair/Poor | 15 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per WHS_12_MAT07 | Internal western room wall lining | Fibre cement sheeting | 92, 93 | Yes | Non-Friable | **Assumed asbestos** | Good | 40 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| As Per WHS_12_MAT07 | Internal western room ceiling lining | Fibre cement sheeting | 92, 93 | Yes | Non-Friable | **Assumed asbestos** | Good | 20 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_12_AD01 | Ceiling cavity, accessed via kitchen | Settled Dust | 89 | Yes | Friable | **Chrysotile asbestos detected in fibre cement fragments and in the form of loose fibre bundles. Total estimated asbestos concentration = 1.9% w/w*** | Poor | 95 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | External, northern porch | Electrical Backing Board | 94 | Yes | Non-Friable | **Assumed Asbestos** | Good | <1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| - | External, eastern boundary drain | Gully collar | 95 | Yes | Non-friable | **Assumed Asbestos** | Good | Unknown | Remove prior to demolition. Works to be completed under controlled conditions by Class A licensed removal contractor in accordance with SWNSW 2019a | 11/08/2022 JBS&G MD | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_12_MAT06 | Internal hallway, blue vinyl flooring | Blue vinyl tiles | - | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| WHS_12_AD02 | Southern pantry storeroom, window ledge | Settled dust | 86 | Yes | - | No Asbestos Detected | - | - | No further action required | 11/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_12_LD01 | Ceiling cavity, accessed via kitchen | Settled dust | 88, 89 | Yes | - | **380 mg/kg** | Poor | 95 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017 | 11/08/2022 JBS&G MD | |
| WHS_12_LD02 | Southern pantry storeroom - window | Settled dust | 86 | Yes | - | **570 mg/kg** | Poor | 350 $m^2$ | Remove prior to demolition by an experience hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_12_P01 | Internal, plasterboard walls | Blue paint | - | Yes | - | **0.71 % w/w** | Fair | 80 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_12_P02 | External, door jambs and window trim | Red paint | 80 | Yes | - | **0.99 % w/w** | Poor | 20 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| WHS_12_P03 | External, fibre cement sheet clad walls | Blue paint | 80, 81 | Yes | - | **0.34 % w/w** | Fair | 150 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 11/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply,<br>OR<br>Handle in accordance with ANZECC 1997 | 11/08/2022<br>JBS&G<br>MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | Internal southern plant room, hot water systems | Internal insulation | 90 | Yes | Bonded | **Assumed SMF** | Good | 1 units | Remove in accordance with NOHSC:2006 (1990) | 11/08/2022<br>JBS&G<br>MD | |
| - | Hot water system located with ceiling cavity | Internal insulation | 96 | Yes | Bonded | **Assumed SMF** | Good | 1 units | Remove in accordance with NOHSC:2006 (1990) | 11/08/2022<br>JBS&G<br>MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 13 – Uni Staff Quarters / Accommodation**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| No Asbestos Containing Materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | East external, hot water system | Internal insulation | 98 | Yes | Bonded | **Assumed SMF** | Good | 1 units | Remove in accordance with NOHSC:2006 (1990) | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building #14 – Senior Activity Centre**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| WHS_14_MAT01 | Internal communications cupboard lining | Fibre cement sheeting | 101, 102 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As per WHS_14_MAT01 | Internal laundry cupboard lining | Fibre cement sheeting | 100 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As per WHS_14_MAT01 | Internal hallway cupboard lining | Fibre cement sheeting | 103, 104 | Yes | Non-Friable | **Assumed Asbestos** | Good | 1 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| WHS_14_MAT05 | Internal south-western storeroom ceiling lining | Fibre cement sheeting | 105 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 5 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As Per WHS_14_MAT05 | Internal western bathroom ceiling lining | Fibre cement sheeting | 106 | Yes | Non-Friable | **Assumed Asbestos** | Good | 8 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As Per WHS_14_MAT05 | Internal laundry ceiling lining | Fibre cement sheeting | 107 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As Per WHS_14_MAT05 | Internal north-eastern bathroom ceiling lining | Fibre cement sheeting | 108 | Yes | Non-Friable | **Assumed Asbestos** | Good | 10 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| As Per WHS_14_MAT05 | Internal eastern storeroom ceiling lining | Fibre cement sheeting | 109 | Yes | Non-Friable | **Assumed Asbestos** | Good | 13 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| As Per WHS_14_MAT05 | Internal south-western wall lining above glass sliding door | Fibre cement sheeting | 110 | Yes | Non-Friable | **Assumed Asbestos** | Good | 2 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| WHS_14_MAT06 | External eaves | Fibre cement sheeting | 111 | Yes | Non-Friable | **Chrysotile Asbestos** | Good | 60 $m^2$ | Remove prior to demolition. Works to be completed under controlled conditions by Class A or B licensed removal contractor in accordance with SWNSW 2019a | 12/08/2022 JBS&G MD | |
| **No Asbestos Detected** | | | | | | | | | | | |
| WHS_14_MAT02 | Internal Bathroom Flooring | Yellow Flooring | - | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_14_MAT03 | Ceiling cavity accessed through Activities Room | Pipe Insulation | - | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_14_MAT04 | External Northern Porch Lining | Fibre Cement Sheeting | 112 | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_14_MAT07 | External cladding façade | Fibre Cement Sheeting | 113 | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_14_AD01 | Ceiling cavity, accessed via Activities room | Settled dust | - | Yes | - | No Asbestos Detected | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Lead Containing Dust** | | | | | | | | | | | |
| WHS_14_LD01 | Ceiling cavity, accessed via Activities room | Settled dust | - | Yes | - | 13 mg/kg | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS_14_P03 | External, window trim, door jambs & eaves | Yellow paint | 111 | Yes | - | **1.9 % w/w** | Poor | 100 $m^2$ | Remove loose and flaking paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. Remaining paint well adhered to the building materials may be demolished if care is taken not to spread paint flakes to surrounding areas. Alternatively, remove all paint prior to demolition by an experienced hazardous materials removal contractor in accordance with AS4361.2-2017. | 12/08/2022 JBS&G MD | |
| **Non-Lead Based Paints** | | | | | | | | | | | |
| WHS_14_P01 | Internal, plasterboard ceiling lining | White paint | - | Yes | - | 0.01 % w/w | - | - | No further action required | 12/08/2022 JBS&G MD | |
| WHS_14_P02 | Internal, plasterboard wall lining | Yellow paint | - | Yes | - | 0.05 % w/w | - | - | No further action required | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| Detailed inspection of light fittings could not be undertaken due to active electricity supply. All light fittings should be assumed to contain PCBs. | | | | | | | | | Undertake detailed inspection following isolation of electricity supply, OR Handle in accordance with ANZECC 1997 | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | Internal south storeroom, instant hot water systems | Internal insulation | - | Yes | Bonded | **Assumed SMF** | Good | 1 unit | Remove in accordance with NOHSC:2006 (1990) | 12/08/2022 JBS&G MD | |
| - | Ceiling cavities | Insulation batts | 114 | Yes | Bonded | **Assumed SMF** | Good | 400 $m^2$ | Remove in accordance with NOHSC:2006 (1990) | 12/08/2022 JBS&G MD | |
| - | Ceiling cavities, A/C ducting | Insulation | 114 | Yes | Bonded | **Assumed SMF** | Good | 75 $m^2$ | Remove in accordance with NOHSC:2006 (1990) | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 15 –Staff Accommodation**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| No Asbestos Containing Materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| - | East external, hot water system | Internal insulation | 116 | Yes | Bonded | **Assumed SMF** | Good | 1 units | Remove in accordance with NOHSC:2006 (1990) | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 16 –LPG Gas Storage**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| No Asbestos Containing Materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |

**Hazardous Materials Register (Rev A)**
**Wentworth Hospital Services,**
**Hospital Road, Wentworth, NSW**
**Building 17 –Pump Station (PS07)**
*Date of Production – 1st September 2022*

| JBS&G SAMPLE NO. | LOCATION | MATERIAL DESCRIPTION | PHOTO NUMBER | ACCESSIBLE AREA? | FRIABILITY | ANALYTICAL RESULT | MATERIAL CONDITION | APPROX. QUANTITY | ACTION REQUIRED | DATE OF LAST INSPECTION (INCL. COMPANY NAME AND INITIALS) | DATE OF CONTROL ACTION &/OR REMOVAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Asbestos Containing Materials (ACM)** | | | | | | | | | | | |
| No Asbestos Containing Materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Lead Based Paints** | | | | | | | | | | | |
| No Lead Based Paints were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Polychlorinated Biphenyls (PCBs)** | | | | | | | | | | | |
| No PCB materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |
| **Synthetic Mineral Fibres (SMF)** | | | | | | | | | | | |
| No SMF materials were identified at the time of inspection | | | | | | | | | - | 12/08/2022 JBS&G MD | |

## Appendix B Photographs

Photo 1: Overview of Building 1 – Wentworth Hospital Services

Photo 2: Wentworth Hospital Services – Asbestos containing FCS to ceiling of Former Maternity Pan RoomFormer Maternity Bathroom Ceiling Lining

Photo 3: Wentworth Hospital Services - Former Maternity Bathroom Asbestos Ceiling Lining

Photo 4: Wentworth Hospital Services - Former Surgical change room asbestos ceiling lining

Photo 5: Wentworth Hospital Services – Former Surgical sterile room asbestos ceiling lining

Photo 6: Wentworth Hospital Services – Old Records Room asbestos ceiling lining



| Source: | | | |
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| 0 | Original Issue - | MD | 02/09/2022 |
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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 7: Wentworth Hospital Services - North-western staff bathroom asbestos ceiling lining

Photo 8: Wentworth Hospital Services - North-western staff bathroom alcove asbestos ceiling lining

Photo 9: Wentworth Hospital Services - North-western corridor hand wash alcove asbestos ceiling lining

Photo 10: Wentworth Hospital Services - Northern Palliative Care asbestos ceiling lining

Photo 11: Wentworth Hospital Services - Former Maternity Pan Room asbestos flooring

Photo 12: Wentworth Hospital Services - Internal, Former Maternity hallway asbestos cupboard ceiling lining



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log


Photo 13: : Wentworth Hospital Services – Internal former maternity west veranda asbestos wall lining

Photo 14: Wentworth Hospital Services - Internal former maternity veranda– asbestos cupboard ceiling lining

Photo 15: Wentworth Hospital Services - Internal former maternity veranda lining – south-west asbestos wall lining

Photo 16: Wentworth Hospital Services - Internal Former Maternity west & north-west veranda asbestos ceiling lining

Photo 17: Wentworth Hospital Services – Internal northern 'mental health' asbestos ceiling lining

Photo 18: Wentworth Hospital Services - Internal northern 'NUM's office' asbestos ceiling lining



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 19: Wentworth Hospital Services - Internal northern 'Nurse Manager' asbestos ceiling lining

Photo 20: Wentworth Hospital Services - External northern entrance porch asbestos ceiling lining

Photo 21: Wentworth Hospital Services - Internal north eastern veranda asbestos ceiling lining

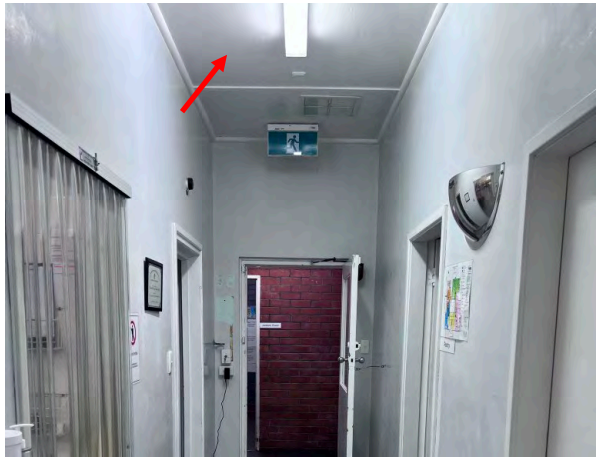

Photo 22: Wentworth Hospital Services - Internal Hotel Services hallway – asbestos ceiling lining

Photo 23: Wentworth Hospital Services - Internal Hotel Services kitchen – asbestos ceiling lining

Photo 24: Wentworth Hospital Services - Internal Hotel Services western pantry – asbestos ceiling lining



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 25: Wentworth Hospital Services - Internal Hotel Services eastern pantry – asbestos ceiling and wall lining

Photo 26: Wentworth Hospital Services - Hotel Services Storeroom asbestos ceiling lining

Photo 27: Wentworth Hospital Services - Hotel Services Hallway adjacent Janitors Room asbestos ceiling lining

Photo 28: Wentworth Hospital Services - External asbestos flat sheet eaves

Photo 29: Wentworth Hospital Services - External flat sheet asbestos eaves

Photo 30: Wentworth Hospital Services - External flat sheet asbestos eaves – Internal courtyard



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 31: Wentworth Hospital Services - External flat sheet asbestos eaves & gables

Photo 32: Wentworth Hospital Services - External flat sheet asbestos eaves

Photo 33: Wentworth Hospital Services - External flat sheet asbestos eaves – Internal Courtyard

Photo 34: Wentworth Hospital Services - External flat sheet asbestos eaves – southern awning linings

Photo 35: Wentworth Hospital Services - External south-eastern roof assumed asbestos containing lagged pipe

Photo 36: Wentworth Hospital Services – External assumed asbestos containing tap pipe stand



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 37: External eastern Wentworth Hospital Services electrical box – Black Backed Electrical Board

Photo 38: Wentworth Hospital Services - Old Records Room – southern wall – assumed asbestos electrical backing board

Photo 39: Wentworth Hospital Services - Former Maternity Pan Room Ceiling Cavity

Photo 40: Wentworth Hospital Services - Former Maternity Labour Room – Green Lead Paint

Photo 41: Wentworth Hospital Services - Internal – timber skirting boards, architraves, door jambs and windows White lead paint

Photo 42: Wentworth Hospital Services - External, Old Records Room timber door white lead paint, Yellow non-lead paint



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 43: Old Boiler House – Old Boiler House Overview & External asbestos cladding with brick lower

Photo 44: Old Boiler House - Internal asbestos wall and ceiling lining

Photo 45: Old Boiler House - Internal asbestos wall, ceiling lining & joining battens

Photo 46: Old Boiler House – Asbestos super 6 Roofing

Photo 47: Old Boiler House – Asbestos super 6 Roofing and Gutter Debris


Photo 48: Old Boiler House – Assumed asbestos black backed electrical board



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 49: Non-asbestos mastic between buildings 1 & 2

Photo 50: Building 3 – Pump Shed Overview

Photo 51: Pump Shed - External asbestos walls fibre cement sheet cladding

Photo 52: Pump Shed – Asbestos super 6 roofing

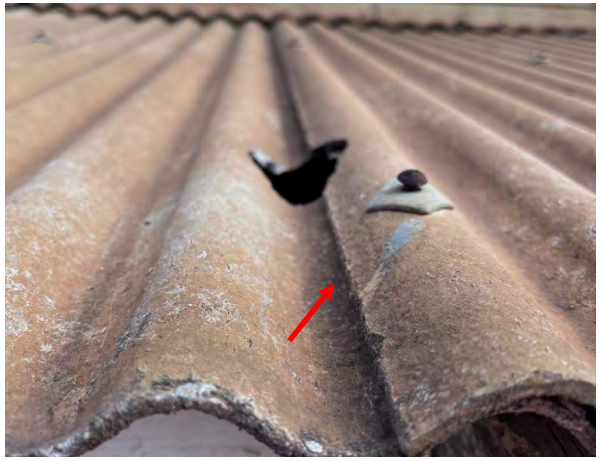

Photo 53: Pump Shed – Asbestos super 6 roofing

Photo 54: Pump Shed – Inaccessible Internal space



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 55: Building 4 – Dirty Linen Overview

Photo 56: Dirty Linen – Internal asbestos wall and ceiling lining fibre cement sheeting

Photo 57: Dirty Linen – Friable asbestos fireplace rope


Photo 58: Building 5 – Contaminated Waste Overview


Photo 59: Contaminated Waste – Internal northern wall assumed asbestos electrical backing board

Photo 60: Building 6 – Staff Amenities Overview



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 61: Staff Amenities – Asbestos fibre Cement Sheet eaves

Photo 62: Staff Amenities – Assumed asbestos ceiling linings ceiling and brown lead based paint

Photo 63: Staff Amenities – Assumed asbestos ceiling linings


Photo 64: Maintenance Storage Shed - Asbestos fibre cement sheeting eaves & external wall cladding

Photo 65: Maintenance Storage Shed – External asbestos cladding and silver sarked roof

Photo 66: Building 8 – Old Morgue Overview



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 67: Old Morgue – Asbestos fibre cement eaves

Photo 68: Old Morgue – Internal assumed asbestos fibre cement ceiling lining

Photo 69: Building 9 – Maintenance Workshop Overview

Photo 70: Maintenance Workshop – Internal asbestos fibre cement sheet ceiling and wall lining

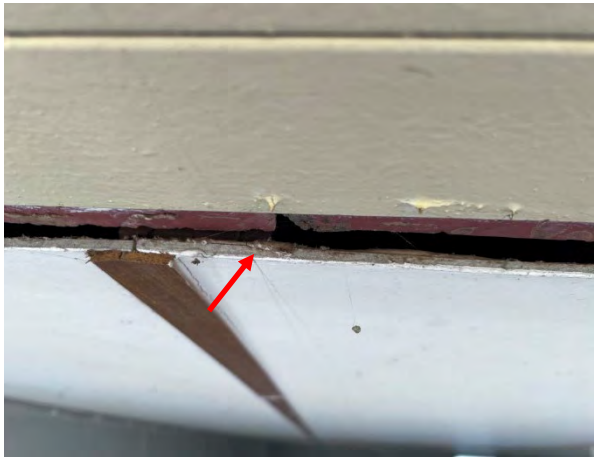

Photo 71: Maintenance Workshop – Internal asbestos fibre cement sheet ceiling lining

Photo 72: Maintenance Workshop – Internal asbestos fibre cement sheet ceiling and wall lining



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Job No: 63097 File Name: R03 App B - Photo Log

Photo 73: Maintenance Workshop – Internal asbestos fibre cement sheet ceiling and wall lining

Photo 74: Building 10 – Emergency Generator Shed Overview

Photo 75: Emergency Generator Shed – Generator Machinery, assumed asbestos gaskets

Photo 76: Building 11 – Carports/Storage Sheds Overview

Photo 77: Carports/Storage Sheds – Carports/Storage Sheds Overview

Photo 78: Carports/Storage Sheds – Assumed asbestos fibre cement pipe in rafters of shed



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Photo 79: Carports/Storage Sheds – Stockpile of fragments of fibrous material

Photo 80: Building 12 – Old Nurses Home Overview

Photo 81: Old Nurses Home – Asbestos fibre cement eaves and external cladding

Photo 82: Old Nurses Home – Asbestos fibre cement external cladding & assumed porch lining

Photo 83: Old Nurses Home – Asbestos fibre cement internal bathroom wall & ceiling lining

Photo 84: Old Nurses Home – Asbestos fibre cement internal toilet wall & ceiling lining



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**Appendix B: Photographs**

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Job No: 63097 File Name: R03 App B - Photo Log

Photo 85: Old Nurses Home – Asbestos fibre cement internal kitchen wall & ceiling lining

Photo 86: Old Nurses Home – Asbestos fibre cement internal pantry wall lining

Photo 87: Old Nurses Home – Asbestos fibre cement internal pantry wall & ceiling lining

Photo 88: Old Nurses Home – Ceiling cavity, Accessed through kitchen – broken asbestos fibre cement sheeting

Photo 89: Old Nurses Home – Ceiling cavity, Accessed through kitchen – broken asbestos super six sheeting

Photo 90: Old Nurses Home – Internal of southern plant room – asbestos fibre cement sheet wall lining



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Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

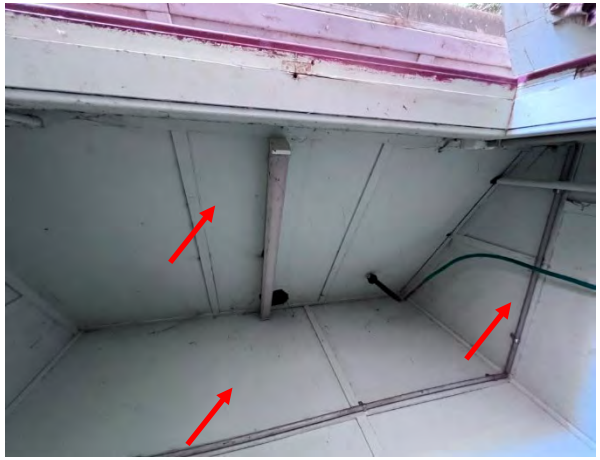

Photo 91: Old Nurses Home – Internal of southern plant room – asbestos fibre cement sheet ceiling lining

Photo 92: Old Nurses Home – Internal western room asbestos wall and ceiling lining

Photo 93: Old Nurses Home – Internal western room asbestos wall and ceiling lining

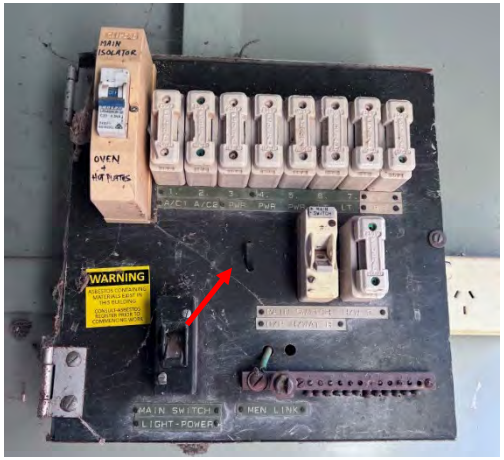


Photo 94: Old Nurses Home – Northern porch assumed asbestos black backed electrical board

Photo 95: Old Nurses Home – External east – assumed asbestos containing gully drain pipe

Photo 96: Old Nurses Home – Ceiling Cavity – Assumed asbestos containing former hot water system



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**Appendix B: Photographs**

Client: Health Infrastructure

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Job No: 63097 File Name: R03 App B - Photo Log

Photo 97: Building 13 – University Staff Quarters Overview

Photo 98: University Staff Quarters – East external hot water system

Photo 99: Building 14 – Senior Centre Overview

Photo 100: Senior Centre – Internal western corridor asbestos cupboard lining

Photo 101: Senior Centre – Internal western corridor communications asbestoss cupboard lining

Photo 102: Senior Centre – Internal western corridor communications asbestos cupboard lining



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Job No: 63097 File Name: R03 App B - Photo Log

Photo 103: Senior Centre – Internal western corridor storage asbestos cupboard lining


Photo 104: Senior Centre – Internal western corridor storage asbestos cupboard lining

Photo 105: Senior Centre – South-western storeroom asbestos ceiling lining

Photo 106: Senior Centre – western bathroom asbestos ceiling lining

Photo 107: Senior Centre – Laundry asbestos ceiling lining

Photo 108: Senior Centre – North-eastern bathroom asbestos ceiling lining



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Photo 109: Senior Centre – Eastern storage room asbestos ceiling lining

Photo 110: Senior Centre – south-western wall lining above glass door asbestos wall lining

Photo 111: Senior Centre – Asbestos fibre cement eave lining

Photo 112: Senior Centre – Non-asbestos northern porch lining

Photo 113: Senior Centre – Non-asbestos south-eastern cladding facade

Photo 114: Senior Centre – Ceiling Cavity



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**Appendix B: Photographs**

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Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

Photo 115: Building 15 – Staff Accommodation Overview

Photo 116: Staff Accommodation – Eastern external hot water

Photo 117:Building 16 – LPG gas storage

Photo 118: Building 17 – Pump Station



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**Appendix B: Photographs**

Client: Health Infrastructure

Project: Wentworth Hospital Services HBMS

Job No: 63097 File Name: R03 App B - Photo Log

# Appendix C Chain of Custody and Laboratory Analysis Reports Documentation

# CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521


Sydney Laboratory
179 Magowar Road Girraween NSW 2066
02 9900 8400 EnviroSampleNSW@eurofins.com

Brisbane Laboratory
Unit 1 21 Smallwood Place Murarrie QLD 4172
07 3902 4600 EnviroSampleQLD@eurofins.com

Perth Laboratory
46-48 Banksia Road Welshpool WA 6106
08 6253 4444 Samples@ARLgroup.com.au

Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
03 8564 5000 EnviroSampleVic@eurofins.com


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Company | JBS & G Australia (NSW) P/L | Project № | 63097 | Project Manager | Gina Pinget | Sampler(s) | Michelle Delandro |
| Address | Level 1, 50 Margaret Street, Sydney NSW 2000 | Project Name | Wentworth HS | EDD Format (ESdat, EQuIS etc) | | Facility Code | Handed over by |
| Contact Name | Michelle Delandro | | | | | | Email for Invoice |
| Phone № | 417287561 | | | | | | Email for Results: mdelandro@jbsg.com.au; gpinget@jbsg.com.au; mhodgins@jbsg.com.au |
| Special Directions | | | | | | | |
| Purchase Order | | | | | | | |
| Quote ID № | | | | | | | |

Analyses (Where analysis is required please specify "Total" or "Filtered". Suite code must be used to direct Suite testing.)

Containers (Change container type & size if necessary)

Required Turnaround Time (TAT) (Default will be 5 days if not ticked)

*Surcharge will apply
Overnight (reporting by 9am)*
Same day* 1 day*
2 days* 3 days*
5 days (Standard)
Other( )

| № | Client Sample ID | Sampled Date/Time (dd/mm/yy hh:mm) | Matrix Soils (S) Waters (W) | Asbestos | Lead | 500mL Plastic | 250mL Plastic | 125mL Plastic | 200mL Amber Glass | 40mL VOA vial | 500mL PFAS Bottle | Jar (Glass or HDPE) | Other (Asbestos AS4964, WA Guidelines) | Sample Comments / Dangerous Goods Hazard Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WHS_01_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 2 | WHS_01_MAT02 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 3 | WHS_01_MAT03 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 4 | WHS_01_MAT04 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 5 | WHS_01_MAT05 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 6 | WHS_01_MAT06 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 7 | WHS_01_MAT07 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 8 | WHS_01_P01 | 11/8/22 | Paint | | X | | | | | | | | | |
| 9 | WHS_01_MAT08 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 10 | WHS_01_P02 | 11/8/22 | Paint | | X | | | | | | | | | |
| 11 | WHS_01_MAT09 | 11/08/22 | Building Materials | X | | | | | | | | | | |
| 12 | WHS_01_AD01 | 11/08/22 | Dust | X | | | | | | | | | | |
| 13 | WHS_01_LD01 | 11/08/22 | Dust | | X | | | | | | | | | |
| 14 | WHS_01_AD02 | 11/08/22 | Dust | X | | | | | | | | | | |
| 15 | WHS_01_LD02 | 11/08/22 | Dust | | X | | | | | | | | | |

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| 16 | WHS_01_MAT10 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | WHS_01_MAT11 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | WHS_01_MAT12 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | WHS_01_MAT13 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | WHS_01_AD03 | 11/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | WHS_01_LD03 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | WHS_01_MAT14 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | WHS_01_P03 | 11/8/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | WHS_01_MAT15 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | WHS_01_MAT16 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | WHS_01_AD04 | 12/8/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | WHS_01_LD04 | 12/8/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | WHS_01_P04 | 12/8/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | WHS_01_P05 | 12/8/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | WHS_01_P06 | 12/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | WHS_02_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | WHS_02_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | WHS_02_MAT02 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | WHS_02_P02 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | WHS_02_AD01 | 11/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | WHS_02_LD01 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | WHS_02_MAT03 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | WHS_02_MAT04 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | WHS_02_P03 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | WHS_02_MAT05 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | WHS_02_MAT06 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 42 | WHS_02_MAT07 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | WHS_03_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | WHS_03_P02 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | WHS_03_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | WHS_03_MAT02 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | WHS_04_P01 | 12/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | WHS_04_P02 | 12/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | WHS_04_P03 | 12/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | WHS_04_MAT01 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | WHS_04_MAT02 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | WHS_06_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | WHS_06_P02 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | WHS_06_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | WHS_07_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | WHS_07_MAT02 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | WHS_07_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | WHS_07_AD01 | 11/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | WHS_07_LD01 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | WHS_08_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | WHS_08_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | WHS_08_P02 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | WHS_09_MAT01 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | WHS_09_AD01 | 12/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | WHS_09_LD01 | 12/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | WHS_11_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | WHS_12_MAT01 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | WHS_12_MAT02 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | WHS_12_MAT03 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | WHS_12_MAT04 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | WHS_12_MAT05 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | WHS_12_MAT06 | 11/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | WHS_12_AD01 | 11/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | WHS_12_LD01 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | WHS_12_AD02 | 11/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | WHS_12_LD02 | 11/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | WHS_12_P01 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | WHS_12_P02 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | WHS_12_P03 | 11/08/22 | Paint | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | WHS_12_MAT07 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | WHS_14_MAT01 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | WHS_14_MAT02 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | WHS_14_AD01 | 12/08/22 | Dust | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | WHS_14_LD01 | 12/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | WHS_14_MAT03 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | WHS_14_MAT04 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | WHS_14_P01 | 12/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | WHS_14_P02 | 12/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | WHS_14_MAT05 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | WHS_14_MAT06 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | WHS_14_MAT07 | 12/08/22 | Building Materials | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | WHS_14_P03 | 12/08/22 | Dust | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Add Rows | | Total Counts | 57 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | |

| Method of Shipment | Courier (# _ ) | Hand Delivered | Postal | Name | | Signature | | Date | | Time | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Laboratory Use Only | Received By | Lisa Zulic | (SYD) \| BNE \| MEL \| PER \| ADL \| NTL \| DRW | Signature | | Date | 15/8/22 | Time | 6:00pm | Temperature | N/A |
| | Received By | | SYD \| BNE \| MEL \| PER \| ADL \| NTL \| DRW | Signature | | Date | | Time | | Report № | 914554 |

eurofins | Environment Testing

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# Sample Receipt Advice

| | |
|---|---|
| **Company name:** | JBS & G Australia (NSW) P/L |
| **Contact name:** | Michelle Delandro |
| **Project name:** | WENTWORTH HS |
| **Project ID:** | 63097 |
| **Turnaround time:** | 3 Day |
| **Date/Time received** | Aug 15, 2022 6:00 PM |
| **Eurofins reference** | 914554 |

## Sample Information

| | |
|---|---|
| ✓ | A detailed list of analytes logged into our LIMS, is included in the attached summary table. |
| ✓ | All samples have been received as described on the above COC. |
| ✓ | COC has been completed correctly. |
| N/A | Attempt to chill was evident. |
| ✓ | Appropriately preserved sample containers have been used. |
| ✓ | All samples were received in good condition. |
| ✓ | Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times. |
| ✓ | Appropriate sample containers have been used. |
| ✓ | Sample containers for volatile analysis received with zero headspace. |
| ✗ | Split sample sent to requested external lab. |
| ✗ | Some samples have been subcontracted. |
| N/A | Custody Seals intact (if used). |

## Notes

Received sample RIN20220811. Added to this job and logged on hold.
Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

## Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

**Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com**

Results will be delivered electronically via email to Michelle Delandro - MDelandro@jbsg.com.au.

Global Leader - Results you can trust

# Certificate of Analysis

**NATA Accredited**
**Accreditation Number 1261**
**Site Number 18217**

Accredited for compliance with ISO/IEC 17025–Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

**JBS & G Australia (NSW) P/L**
**Level 1, 50 Margaret St**
**Sydney**
**NSW 2000**

| | |
|---|---|
| **Attention:** | Michelle Delandro |
| **Report** | 914554-AID |
| **Project Name** | WENTWORTH HS |
| **Project ID** | 63097 |
| **Received Date** | Aug 15, 2022 |
| **Date Reported** | Aug 18, 2022 |

## Methodology:

| | |
|---|---|
| Asbestos Fibre Identification | Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.<br>*NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.* |
| Unknown Mineral Fibres | Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.<br>*NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.* |
| Subsampling Soil Samples | The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed.<br>*NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.* |
| Bonded asbestos-containing material (ACM) | The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004.<br>*NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.* |
| Limit of Reporting | The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w).<br>The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).<br>*NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.* |

**Project Name** WENTWORTH HS
**Project ID** 63097
**Date Sampled** Aug 11, 2022 to Aug 12, 2022
**Report** 914554-AID

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_01_MAT01 | 22-Au0034231 | Aug 11, 2022 | Approximate Sample 1g / 25x12x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_01_MAT02 | 22-Au0034232 | Aug 11, 2022 | Approximate Sample 2g / 30x15x2mm<br>Sample consisted of: Black semi brittle vinyl sheet | No asbestos detected.<br>No trace asbestos detected. |
| WHS_01_MAT03 | 22-Au0034233 | Aug 11, 2022 | Approximate Sample 3g / 35x15x2mm<br>Sample consisted of: (a) Cream colour brittle vinyl tile<br>(b) Amber glue | Chrysotile asbestos detected.(a) |
| WHS_01_MAT04 | 22-Au0034234 | Aug 11, 2022 | Approximate Sample 1g / 20x10x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_01_MAT05 | 22-Au0034235 | Aug 11, 2022 | Approximate Sample 1g / 20x10x2mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_01_MAT06 | 22-Au0034236 | Aug 11, 2022 | Approximate Sample 7g / 110x25x2mm<br>Sample consisted of: White/ brown flexible linoleum with clear glue anf fibrous backing | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_MAT07 | 22-Au0034237 | Aug 11, 2022 | Approximate Sample 6g / 140x15x2mm<br>Sample consisted of: White/ brown flexible linoleum sheet with amber glue and fibrous backing | No asbestos detected.<br>Synthetic fibre detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_MAT08 | 22-Au0034239 | Aug 11, 2022 | Approximate Sample 1g / 25x10x2mm<br>Sample consisted of: White brittle vinyl sheet with amber glue | No asbestos detected.<br>No trace asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_01_MAT09 | 22-Au0034241 | Aug 11, 2022 | Approximate Sample 28g / 200x40x2mm<br>Sample consisted of: Yellow/ brown semi brittle vinyl sheet with amber glue | No asbestos detected.<br>No trace asbestos detected. |
| WHS_01_AD01 | 22-Au0034242 | Aug 11, 2022 | Approximate Sample <1g / 25x15x2mm<br>Sample consisted of: White plaster material with brown fibrous layer | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_AD02 | 22-Au0034244 | Aug 11, 2022 | Approximate Sample 1g<br>Sample consisted of: Dust particles, fragments of soft fibrous material, plastic, paint flakes, plaster in powder form and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_MAT10 | 22-Au0034246 | Aug 11, 2022 | Approximate Sample <1g / 20x12x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_01_MAT11 | 22-Au0034247 | Aug 11, 2022 | Approximate Sample 1g / 30x10x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile and amosite asbestos detected. |
| WHS_01_MAT12 | 22-Au0034248 | Aug 11, 2022 | Approximate Sample 1g / 15x7x2mm<br>Sample consisted of: Brown linoleum sheet with amber glue | No asbestos detected.<br>Synthetic mineral fibre detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_MAT13 | 22-Au0034249 | Aug 11, 2022 | Approximate Sample 1g / 20x10x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |
| WHS_01_AD03 | 22-Au0034250 | Aug 11, 2022 | Approximate Sample <1g / 15x10x2mm<br>Sample consisted of: White plaster material with fibrous layer | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_01_MAT14 | 22-Au0034252 | Aug 11, 2022 | Approximate Sample 1g / 15x10x5mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_01_MAT15 | 22-Au0034254 | Aug 11, 2022 | Approximate Sample 1g / 15x10x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |
| WHS_01_MAT16 | 22-Au0034255 | Aug 11, 2022 | Approximate Sample 2g / 25x10x5mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_01_AD04 | 22-Au0034256 | Aug 12, 2022 | Approximate Sample 13g<br>Sample consisted of: Dust particles, fragments of glass, cement, paint flakes, soft fibrous material, sand, wood residue, plant residue and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_02_MAT01 | 22-Au0034262 | Aug 11, 2022 | Approximate Sample 5g / 40x12x5mm<br>Sample consisted of: Grey compressed fibre cement material | Chrysotile asbestos detected. |
| WHS_02_MAT02 | 22-Au0034263 | Aug 11, 2022 | Approximate Sample 3g / 60x25x7mm<br>Sample consisted of: Brown compressed fibrous material with white coating | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_02_AD01 | 22-Au0034265 | Aug 11, 2022 | Approximate Sample 2g<br>Sample consisted of: Dust particles, fragments of corroded metal, plaster, soft fibrous material, paint flakes and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_02_MAT03 | 22-Au0034267 | Aug 11, 2022 | Approximate Sample 1g / 20x15x2mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_02_MAT04 | 22-Au0034268 | Aug 11, 2022 | Approximate Sample 16g / 70x35x5mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_02_MAT05 | 22-Au0034270 | Aug 11, 2022 | Approximate Sample 3g / 30x10x10mm<br>Sample consisted of: Black fibro bituminous material | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_02_MAT06 | 22-Au0034271 | Aug 12, 2022 | Approximate Sample 1g / 10x7x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile and crocidolite asbestos detected. |
| WHS_02_MAT07 | 22-Au0034272 | Aug 12, 2022 | Approximate Sample 64g<br>Sample consisted of: Brown coarse-grained soil and rocks, plant residue, cement, bitumen like material, paint flakes and organic debris | Chrysotile and crocidolite asbestos detected in the form of loose fibre bundles.<br>Approximate raw weight of asbestos containing material = 0.029g*<br>Total estimated asbestos content in the sample = 0.026g*<br>Total estimated asbestos concentration = 0.040% w/w*<br><br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_03_MAT01 | 22-Au0034275 | Aug 11, 2022 | Approximate Sample 7g / 50x15x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_03_MAT02 | 22-Au0034276 | Aug 12, 2022 | Approximate Sample 1g / 20x15x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile and crocidolite asbestos detected. |
| WHS_04_MAT01 | 22-Au0034280 | Aug 12, 2022 | Approximate Sample <1g / 12x8x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |
| WHS_04_MAT02 | 22-Au0034281 | Aug 12, 2022 | Approximate Sample 2g / 30x15x4mm<br>Sample consisted of: Brown fibre plaster material | Chrysotile asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_06_MAT01 | 22-Au0034284 | Aug 11, 2022 | Approximate Sample <1g / 15x10x2mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_07_MAT01 | 22-Au0034285 | Aug 11, 2022 | Approximate Sample 1g / 25x10x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_07_MAT02 | 22-Au0034286 | Aug 11, 2022 | Approximate Sample 3g / 35x7x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_07_AD01 | 22-Au0034288 | Aug 11, 2022 | Approximate Sample 4g<br>Sample consisted of: Dust particles, wood residue, sand, fragments of brick, paint flakes and organic debris | Chrysotile asbestos detected in the form of loose fibre bundles.<br>Approximate raw weight of asbestos containing material = 0.0031g*<br>Total estimated asbestos content in the sample = 0.0031g*<br>Total estimated asbestos concentration = 0.078% w/w*<br><br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_08_MAT01 | 22-Au0034290 | Aug 11, 2022 | Approximate Sample <1g / 10x4x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_09_MAT01 | 22-Au0034293 | Aug 12, 2022 | Approximate Sample 2g / 25x12x5mm<br>Sample consisted of: Grey fibre plaster cement material | Chrysotile asbestos detected.<br>Organic fibre detected. |
| WHS_09_AD01 | 22-Au0034294 | Aug 12, 2022 | Approximate Sample 3g<br>Sample consisted of: Dust particles, fragments of plaster, brick, cement, wood residue, sand, paint flakes and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_11_MAT01 | 22-Au0034296 | Aug 11, 2022 | Approximate Sample 14g / 60x30x5mm<br>Sample consisted of: Brown fibre plaster cement material | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_12_MAT01 | 22-Au0034297 | Aug 11, 2022 | Approximate Sample 3g / 25x12x5mm<br>Sample consisted of: Grey compressed fibre cement material | Chrysotile asbestos detected. |
| WHS_12_MAT02 | 22-Au0034298 | Aug 11, 2022 | Approximate Sample 2g / 25x10x5mm<br>Sample consisted of: Grey compressed fibre cement material | Chrysotile asbestos detected. |
| WHS_12_MAT03 | 22-Au0034299 | Aug 11, 2022 | Approximate Sample 13g / 40x35x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile, amosite and crocidolite asbestos detected. |
| WHS_12_MAT04 | 22-Au0034300 | Aug 11, 2022 | Approximate Sample 45g / 110x45x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile and amosite asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_12_MAT05 | 22-Au0034301 | Aug 11, 2022 | Approximate Sample 5g / 30x12x5mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |
| WHS_12_MAT06 | 22-Au0034302 | Aug 11, 2022 | Approximate Sample 2g / 70x30x2mm<br>Sample consisted of: Green flexible compressed fibrous material with light blue coating | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_12_AD01 | 22-Au0034303 | Aug 11, 2022 | Approximate Sample 1g<br>Sample consisted of: Dust particles, fragments of plaster, fibre cement material, wood residue, plant residue, compressed material, cement, paint flakes and organic debris | Chrysotile asbestos detected in fibre cement fragments and in the form of loose fibre bundles.<br>Approximate raw weight of asbestos containing material = 0.23g*<br>Total estimated asbestos content in the sample = 0.023g*<br>Total estimated asbestos concentration = 1.9% w/w*<br><br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_12_AD02 | 22-Au0034305 | Aug 11, 2022 | Approximate Sample 1g<br>Sample consisted of: Dust particles, fragments of soft fibrous material, plaster, plastic, paint flakes, sand, plant residue and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_12_MAT07 | 22-Au0034310 | Aug 12, 2022 | Approximate Sample 2g / 25x7x3mm<br>Sample consisted of: Grey compressed fibre cement material | Chrysotile asbestos detected. |
| WHS_14_MAT01 | 22-Au0034311 | Aug 12, 2022 | Approximate Sample 1g / 20x10x2mm<br>Sample consisted of: Grey compressed fibre cement material | Chrysotile asbestos detected. |
| WHS_14_MAT02 | 22-Au0034312 | Aug 12, 2022 | Approximate Sample <1g / 20x7x2mm<br>Sample consisted of: Grey linoleum sheet with clear glue and fibrous backing | No asbestos detected.<br>Synthetic mineral fibre detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_14_AD01 | 22-Au0034313 | Aug 12, 2022 | Approximate Sample 5g<br>Sample consisted of: Dust particles, fragments of plaster, sand, plant residue, soft fibrous material, paint flakes and organic debris | No asbestos detected at the reporting limit of 0.01% w/w.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_14_MAT03 | 22-Au0034315 | Aug 12, 2022 | Approximate Sample 3g / 70x70x4mm<br>Sample consisted of: Brown fluffy fibrous material | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_14_MAT04 | 22-Au0034316 | Aug 12, 2022 | Approximate Sample <1g / 8x7x2mm<br>Sample consisted of: Grey fibre plaster cement material with white coating | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |
| WHS_14_MAT05 | 22-Au0034319 | Aug 12, 2022 | Approximate Sample 1g / 15x10x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |

| Client Sample ID | Eurofins Sample No. | Date Sampled | Sample Description | Result |
|---|---|---|---|---|
| WHS_14_MAT06 | 22-Au0034320 | Aug 12, 2022 | Approximate Sample 2g / 20x12x2mm<br>Sample consisted of: Grey fibre cement material | Chrysotile asbestos detected. |
| WHS_14_MAT07 | 22-Au0034321 | Aug 12, 2022 | Approximate Sample <1g / 15x10x2mm<br>Sample consisted of: Grey fibre plaster material with white coating | No asbestos detected.<br>Organic fibre detected.<br>No trace asbestos detected. |

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description | Testing Site | Extracted | Holding Time |
|---|---|---|---|
| Asbestos - LTM-ASB-8020 | Sydney | Aug 18, 2022 | Indefinite |
| Asbestos - LTM-ASB-8020 | Sydney | Aug 18, 2022 | Indefinite |

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**Project ID:** 63097

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**Phone:** 02 8245 0300
**Fax:**

**Received:** Aug 15, 2022 6:00 PM
**Due:** Aug 18, 2022
**Priority:** 3 Day
**Contact Name:** Michelle Delandro

**Eurofins Analytical Services Manager : Andrew Black**

| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| **External Laboratory** | | | | | | | | | |
| **No** | **Sample ID** | **Sample Date** | **Sampling Time** | **Matrix** | **LAB ID** | | | | |
| 1 | WHS_01_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034231 | | X | | |
| 2 | WHS_01_MAT 02 | Aug 11, 2022 | | Building Materials | S22-Au0034232 | | X | | |
| 3 | WHS_01_MAT 03 | Aug 11, 2022 | | Building Materials | S22-Au0034233 | | X | | |
| 4 | WHS_01_MAT 04 | Aug 11, 2022 | | Building Materials | S22-Au0034234 | | X | | |
| 5 | WHS_01_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034235 | | X | | |
| 6 | WHS_01_MAT 06 | Aug 11, 2022 | | Building Materials | S22-Au0034236 | | X | | |
| 7 | WHS_01_MAT 07 | Aug 11, 2022 | | Building Materials | S22-Au0034237 | | X | | |
| 8 | WHS_01_P01 | Aug 11, 2022 | | Paint | S22-Au0034238 | | | | X |

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| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 9 | WHS_01_MAT08 | Aug 11, 2022 | | Building Materials | S22-Au0034239 | | X | | |
| 10 | WHS_01_P02 | Aug 11, 2022 | | Paint | S22-Au0034240 | | | | X |
| 11 | WHS_01_MAT09 | Aug 11, 2022 | | Building Materials | S22-Au0034241 | | X | | |
| 12 | WHS_01_AD01 | Aug 11, 2022 | | Dust | S22-Au0034242 | | X | | |
| 13 | WHS_01_LD01 | Aug 11, 2022 | | Dust | S22-Au0034243 | | | X | |
| 14 | WHS_01_AD02 | Aug 11, 2022 | | Soil | S22-Au0034244 | X | | | |
| 15 | WHS_01_LD02 | Aug 11, 2022 | | Dust | S22-Au0034245 | | | X | |
| 16 | WHS_01_MAT10 | Aug 11, 2022 | | Building Materials | S22-Au0034246 | | X | | |
| 17 | WHS_01_MAT11 | Aug 11, 2022 | | Building Materials | S22-Au0034247 | | X | | |
| 18 | WHS_01_MAT12 | Aug 11, 2022 | | Building Materials | S22-Au0034248 | | X | | |

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|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 19 | WHS_01_MAT 13 | Aug 11, 2022 | | Building Materials | S22-Au0034249 | | X | | |
| 20 | WHS_01_AD0 3 | Aug 11, 2022 | | Dust | S22-Au0034250 | | X | | |
| 21 | WHS_01_LD0 3 | Aug 11, 2022 | | Dust | S22-Au0034251 | | | X | |
| 22 | WHS_01_MAT 14 | Aug 11, 2022 | | Building Materials | S22-Au0034252 | | X | | |
| 23 | WHS_01_P03 | Aug 11, 2022 | | Paint | S22-Au0034253 | | | | X |
| 24 | WHS_01_MAT 15 | Aug 11, 2022 | | Building Materials | S22-Au0034254 | | X | | |
| 25 | WHS_01_MAT 16 | Aug 11, 2022 | | Building Materials | S22-Au0034255 | | X | | |
| 26 | WHS_01_AD0 4 | Aug 12, 2022 | | Soil | S22-Au0034256 | X | | | |
| 27 | WHS_01_LD0 4 | Aug 12, 2022 | | Dust | S22-Au0034257 | | | X | |
| 28 | WHS_01_P04 | Aug 12, 2022 | | Paint | S22-Au0034258 | | | | X |

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| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 29 | WHS_01_P05 | Aug 12, 2022 | | Paint | S22-Au0034259 | | | | X |
| 30 | WHS_01_P06 | Aug 12, 2022 | | Paint | S22-Au0034260 | | | | X |
| 31 | WHS_02_P01 | Aug 11, 2022 | | Paint | S22-Au0034261 | | | | X |
| 32 | WHS_02_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034262 | | X | | |
| 33 | WHS_02_MAT02 | Aug 11, 2022 | | Building Materials | S22-Au0034263 | | X | | |
| 34 | WHS_02_P02 | Aug 11, 2022 | | Paint | S22-Au0034264 | | | | X |
| 35 | WHS_02_AD01 | Aug 11, 2022 | | Soil | S22-Au0034265 | X | | | |
| 36 | WHS_02_LD01 | Aug 11, 2022 | | Dust | S22-Au0034266 | | | X | |
| 37 | WHS_02_MAT03 | Aug 11, 2022 | | Building Materials | S22-Au0034267 | | X | | |
| 38 | WHS_02_MAT04 | Aug 11, 2022 | | Building Materials | S22-Au0034268 | | X | | |
| 39 | WHS_02_P03 | Aug 11, 2022 | | Paint | S22-Au0034269 | | | | X |
| 40 | WHS_02_MAT | Aug 11, 2022 | | Building | S22-Au0034270 | | X | | |

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| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 40 | WHS_02_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034270 | | | | |
| 41 | WHS_02_MAT 06 | Aug 12, 2022 | | Building Materials | S22-Au0034271 | | X | | |
| 42 | WHS_02_MAT 07 | Aug 12, 2022 | | Soil | S22-Au0034272 | X | | | |
| 43 | WHS_03_P01 | Aug 11, 2022 | | Paint | S22-Au0034273 | | | | X |
| 44 | WHS_03_P02 | Aug 11, 2022 | | Paint | S22-Au0034274 | | | | X |
| 45 | WHS_03_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034275 | | X | | |
| 46 | WHS_03_MAT 02 | Aug 12, 2022 | | Building Materials | S22-Au0034276 | | X | | |
| 47 | WHS_04_P01 | Aug 12, 2022 | | Paint | S22-Au0034277 | | | | X |
| 48 | WHS_04_P02 | Aug 12, 2022 | | Paint | S22-Au0034278 | | | | X |
| 49 | WHS_04_P03 | Aug 12, 2022 | | Paint | S22-Au0034279 | | | | X |
| 50 | WHS_04_MAT 01 | Aug 12, 2022 | | Building Materials | S22-Au0034280 | | X | | |
| 51 | WHS_04_MAT | Aug 12, 2022 | | Building | S22-Au0034281 | | X | | |

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|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| | 02 | | | Materials | | | | | |
| 52 | WHS_06_P01 | Aug 11, 2022 | | Paint | S22-Au0034282 | | | | X |
| 53 | WHS_06_P02 | Aug 11, 2022 | | Paint | S22-Au0034283 | | | | X |
| 54 | WHS_06_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034284 | | X | | |
| 55 | WHS_07_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034285 | | X | | |
| 56 | WHS_07_MAT02 | Aug 11, 2022 | | Building Materials | S22-Au0034286 | | X | | |
| 57 | WHS_07_P01 | Aug 11, 2022 | | Paint | S22-Au0034287 | | | | X |
| 58 | WHS_07_AD01 | Aug 11, 2022 | | Soil | S22-Au0034288 | X | | | |
| 59 | WHS_07_LD01 | Aug 11, 2022 | | Dust | S22-Au0034289 | | | X | |
| 60 | WHS_08_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034290 | | X | | |
| 61 | WHS_08_P01 | Aug 11, 2022 | | Paint | S22-Au0034291 | | | | X |
| 62 | WHS_08_P02 | Aug 11, 2022 | | Paint | S22-Au0034292 | | | | X |

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|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 63 | WHS_09_MAT 01 | Aug 12, 2022 | | Building Materials | S22-Au0034293 | | X | | |
| 64 | WHS_09_AD0 1 | Aug 12, 2022 | | Soil | S22-Au0034294 | X | | | |
| 65 | WHS_09_LD0 1 | Aug 12, 2022 | | Dust | S22-Au0034295 | | | X | |
| 66 | WHS_11_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034296 | | X | | |
| 67 | WHS_12_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034297 | | X | | |
| 68 | WHS_12_MAT 02 | Aug 11, 2022 | | Building Materials | S22-Au0034298 | | X | | |
| 69 | WHS_12_MAT 03 | Aug 11, 2022 | | Building Materials | S22-Au0034299 | | X | | |
| 70 | WHS_12_MAT 04 | Aug 11, 2022 | | Building Materials | S22-Au0034300 | | X | | |
| 71 | WHS_12_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034301 | | X | | |
| 72 | WHS_12_MAT | Aug 11, 2022 | | Building | S22-Au0034302 | | X | | |

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IANZ# 1290

**Company Name:** JBS & G Australia (NSW) P/L
**Address:** Level 1, 50 Margaret St
Sydney
NSW 2000

**Project Name:** WENTWORTH HS
**Project ID:** 63097

**Order No.:**
**Report #:** 914554
**Phone:** 02 8245 0300
**Fax:**

**Received:** Aug 15, 2022 6:00 PM
**Due:** Aug 18, 2022
**Priority:** 3 Day
**Contact Name:** Michelle Delandro

**Eurofins Analytical Services Manager : Andrew Black**

| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| | 06 | | | Materials | | | | | |
| 73 | WHS_12_AD01 | Aug 11, 2022 | | Soil | S22-Au0034303 | X | | | |
| 74 | WHS_12_LD01 | Aug 11, 2022 | | Dust | S22-Au0034304 | | | X | |
| 75 | WHS_12_AD02 | Aug 11, 2022 | | Soil | S22-Au0034305 | X | | | |
| 76 | WHS_12_LD02 | Aug 11, 2022 | | Dust | S22-Au0034306 | | | X | |
| 77 | WHS_12_P01 | Aug 11, 2022 | | Paint | S22-Au0034307 | | | | X |
| 78 | WHS_12_P02 | Aug 11, 2022 | | Paint | S22-Au0034308 | | | | X |
| 79 | WHS_12_P03 | Aug 11, 2022 | | Paint | S22-Au0034309 | | | | X |
| 80 | WHS_12_MAT07 | Aug 12, 2022 | | Building Materials | S22-Au0034310 | | X | | |
| 81 | WHS_14_MAT01 | Aug 12, 2022 | | Building Materials | S22-Au0034311 | | X | | |
| 82 | WHS_14_MAT02 | Aug 12, 2022 | | Building Materials | S22-Au0034312 | | X | | |

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**Priority:** 3 Day
**Contact Name:** Michelle Delandro

**Eurofins Analytical Services Manager : Andrew Black**

| Sample Detail | | | | | | Asbestos - AS4964 | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X | X |
| 83 | WHS_14_AD01 | Aug 12, 2022 | | Soil | S22-Au0034313 | X | | | |
| 84 | WHS_14_LD01 | Aug 12, 2022 | | Dust | S22-Au0034314 | | | X | |
| 85 | WHS_14_MAT03 | Aug 12, 2022 | | Building Materials | S22-Au0034315 | | X | | |
| 86 | WHS_14_MAT04 | Aug 12, 2022 | | Building Materials | S22-Au0034316 | | X | | |
| 87 | WHS_14_P01 | Aug 12, 2022 | | Paint | S22-Au0034317 | | | | X |
| 88 | WHS_14_P02 | Aug 12, 2022 | | Paint | S22-Au0034318 | | | | X |
| 89 | WHS_14_MAT05 | Aug 12, 2022 | | Building Materials | S22-Au0034319 | | X | | |
| 90 | WHS_14_MAT06 | Aug 12, 2022 | | Building Materials | S22-Au0034320 | | X | | |
| 91 | WHS_14_MAT07 | Aug 12, 2022 | | Building Materials | S22-Au0034321 | | X | | |
| 92 | WHS_14_P03 | Aug 12, 2022 | | Paint | S22-Au0034322 | | | | X |
| **Test Counts** | | | | | | 9 | 48 | 10 | 25 |

## Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

## Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

## Units

| | |
|---|---|
| % w/w: | Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**) |
| F/fld | Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**) |
| F/mL | Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**) |
| g, kg | Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**) |
| g/kg | Concentration in grams per kilogram |
| L, mL | Volume, e.g. of air as measured in AFM (**V** = **r** x **t**) |
| L/min | Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**) |
| min | Time (**t**), e.g. of air sample collection period |

## Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

## Terms

| | |
|---|---|
| **%asbestos** | Estimated percentage of asbestos in a given matrix. May be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**$P_A$**). |
| **ACM** | Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm. |
| **AF** | Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable". |
| **AFM** | Airborne Fibre Monitoring, e.g. by the MFM. |
| **Amosite** | Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004. |
| **AS** | Australian Standard. |
| **Asbestos Content (as asbestos)** | Total % w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w)**. |
| **Chrysotile** | Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004. |
| **COC** | Chain of Custody. |
| **Crocidolite** | Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004. |
| **Dry** | Sample is dried by heating prior to analysis. |
| **DS** | Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM. |
| **FA** | Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF. |
| **Fibre Count** | Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003 |
| **Fibre ID** | Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos. |
| **Friable** | Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability. |
| **HSG248** | UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021). |
| **HSG264** | UK HSE HSG264, *Asbestos: The Survey Guide* (2012). |
| **ISO (also ISO/IEC)** | International Organization for Standardization / International Electrotechnical Commission. |
| **K Factor** | Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**). |
| **LOR** | Limit of Reporting. |
| **MFM (also NOHSC:3003)** | Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)]. |
| **NEPM (also ASC NEPM)** | National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended). |
| **Organic** | Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004. |
| **PCM** | Phase Contrast Microscopy. As used for Fibre Counting according to the MFM. |
| **PLM** | Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004. |
| **SMF** | Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004. |
| **SRA** | Sample Receipt Advice. |
| **Trace Analysis** | Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix. |
| **UK HSE HSG** | United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication. |
| **UMF** | Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos. |
| **WA DOH** | Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis* |
| **Weighted Average** | Combined average % w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**). |

## Comments

### Sample Integrity

| | |
|---|---|
| Custody Seals Intact (if used) | N/A |
| Attempt to Chill was evident | N/A |
| Sample correctly preserved | Yes |
| Appropriate sample containers have been used | Yes |
| Sample containers for volatile analysis received with minimal headspace | Yes |
| Samples received within HoldingTime | Yes |
| Some samples have been subcontracted | No |

### Asbestos Counter/Identifier:

| | |
|---|---|
| Chamath JHM Annakkage | Senior Analyst-Asbestos |

### Authorised by:

| | |
|---|---|
| Laxman Dias | Senior Analyst-Asbestos |

**Glenn Jackson**
**General Manager**

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

**JBS & G Australia (NSW) P/L**
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**Sydney**
**NSW 2000**

**NATA Accredited**
**Accreditation Number 1261**
**Site Number 18217**

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

**Attention:** **Michelle Delandro**

**Report** **914554-S**
Project name WENTWORTH HS
Project ID 63097
Received Date Aug 15, 2022

| **Client Sample ID** | | | **WHS_01_P01** | **WHS_01_P02** | **WHS_01_LD01** | **WHS_01_LD02** |
|---|---|---|---|---|---|---|
| **Sample Matrix** | | | **Paint** | **Paint** | **Dust** | **Dust** |
| **Eurofins Sample No.** | | | **S22-Au0034238** | **S22-Au0034240** | **S22-Au0034243** | **S22-Au0034245** |
| **Date Sampled** | | | **Aug 11, 2022** | **Aug 11, 2022** | **Aug 11, 2022** | **Aug 11, 2022** |
| Test/Reference | LOR | Unit | | | | |
| Lead (% w/w) | 0.01 | % | 0.18 | 21 | - | - |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | - | - | 540 | 670 |

| **Client Sample ID** | | | **WHS_01_LD03** | **WHS_01_P03** | **WHS_01_LD04** | **WHS_01_P04** |
|---|---|---|---|---|---|---|
| **Sample Matrix** | | | **Dust** | **Paint** | **Dust** | **Paint** |
| **Eurofins Sample No.** | | | **S22-Au0034251** | **S22-Au0034253** | **S22-Au0034257** | **S22-Au0034258** |
| **Date Sampled** | | | **Aug 11, 2022** | **Aug 11, 2022** | **Aug 12, 2022** | **Aug 12, 2022** |
| Test/Reference | LOR | Unit | | | | |
| Lead (% w/w) | 0.01 | % | - | 3.8 | - | 3.1 |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | < 5 | - | 1600 | - |

| **Client Sample ID** | | | **WHS_01_P05** | **WHS_01_P06** | **WHS_02_P01** | **WHS_02_P02** |
|---|---|---|---|---|---|---|
| **Sample Matrix** | | | **Paint** | **Paint** | **Paint** | **Paint** |
| **Eurofins Sample No.** | | | **S22-Au0034259** | **S22-Au0034260** | **S22-Au0034261** | **S22-Au0034264** |
| **Date Sampled** | | | **Aug 12, 2022** | **Aug 12, 2022** | **Aug 11, 2022** | **Aug 11, 2022** |
| Test/Reference | LOR | Unit | | | | |
| Lead (% w/w) | 0.01 | % | < 0.01 | 0.03 | 0.31 | 0.41 |

| Client Sample ID | | | WHS_02_LD01 | WHS_02_P03 | WHS_03_P01 | WHS_03_P02 |
|---|---|---|---|---|---|---|
| Sample Matrix | | | Dust | Paint | Paint | Paint |
| Eurofins Sample No. | | | S22-Au0034266 | S22-Au0034269 | S22-Au0034273 | S22-Au0034274 |
| Date Sampled | | | Aug 11, 2022 | Aug 11, 2022 | Aug 11, 2022 | Aug 11, 2022 |
| Test/Reference | LOR | Unit | | | | |
| | | | | | | |
| Lead (% w/w) | 0.01 | % | - | 8.6 | 6.2 | 0.24 |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | 680 | - | - | - |

| Client Sample ID | | | WHS_04_P01 | WHS_04_P02 | WHS_04_P03 | WHS_06_P01 |
|---|---|---|---|---|---|---|
| Sample Matrix | | | Paint | Paint | Paint | Paint |
| Eurofins Sample No. | | | S22-Au0034277 | S22-Au0034278 | S22-Au0034279 | S22-Au0034282 |
| Date Sampled | | | Aug 12, 2022 | Aug 12, 2022 | Aug 12, 2022 | Aug 11, 2022 |
| Test/Reference | LOR | Unit | | | | |
| | | | | | | |
| Lead (% w/w) | 0.01 | % | 12 | 6.4 | 0.40 | 0.75 |

| Client Sample ID | | | WHS_06_P02 | WHS_07_P01 | WHS_07_LD01 | WHS_08_P01 |
|---|---|---|---|---|---|---|
| Sample Matrix | | | Paint | Paint | Dust | Paint |
| Eurofins Sample No. | | | S22-Au0034283 | S22-Au0034287 | S22-Au0034289 | S22-Au0034291 |
| Date Sampled | | | Aug 11, 2022 | Aug 11, 2022 | Aug 11, 2022 | Aug 11, 2022 |
| Test/Reference | LOR | Unit | | | | |
| | | | | | | |
| Lead (% w/w) | 0.01 | % | 0.88 | 0.25 | - | 9.4 |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | - | - | 200 | - |

| Client Sample ID | | | WHS_08_P02 | WHS_09_LD01 | WHS_12_LD01 | WHS_12_LD02 |
|---|---|---|---|---|---|---|
| Sample Matrix | | | Paint | Dust | Dust | Dust |
| Eurofins Sample No. | | | S22-Au0034292 | S22-Au0034295 | S22-Au0034304 | S22-Au0034306 |
| Date Sampled | | | Aug 11, 2022 | Aug 12, 2022 | Aug 11, 2022 | Aug 11, 2022 |
| Test/Reference | LOR | Unit | | | | |
| | | | | | | |
| Lead (% w/w) | 0.01 | % | 1.4 | - | - | - |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | - | 58 | 380 | 570 |

| Client Sample ID | | | WHS_12_P01 | WHS_12_P02 | WHS_12_P03 | WHS_14_LD01 |
|---|---|---|---|---|---|---|
| Sample Matrix | | | Paint | Paint | Paint | Dust |
| Eurofins Sample No. | | | S22-Au0034307 | S22-Au0034308 | S22-Au0034309 | S22-Au0034314 |
| Date Sampled | | | Aug 11, 2022 | Aug 11, 2022 | Aug 11, 2022 | Aug 12, 2022 |
| Test/Reference | LOR | Unit | | | | |
| | | | | | | |
| Lead (% w/w) | 0.01 | % | 0.71 | 0.99 | 0.34 | - |
| **Heavy Metals** | | | | | | |
| Lead | 5 | mg/kg | - | - | - | 13 |

| Client Sample ID | | | WHS_14_P01 | WHS_14_P02 | WHS_14_P03 |
|---|---|---|---|---|---|
| Sample Matrix | | | Paint | Paint | Paint |
| Eurofins Sample No. | | | S22-Au0034317 | S22-Au0034318 | S22-Au0034322 |
| Date Sampled | | | Aug 12, 2022 | Aug 12, 2022 | Aug 12, 2022 |
| Test/Reference | LOR | Unit | | | |
| | | | | | |
| Lead (% w/w) | 0.01 | % | 0.01 | 0.05 | 1.9 |

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

| Description | Testing Site | Extracted | Holding Time |
|---|---|---|---|
| Lead (% w/w) | Sydney | Aug 15, 2022 | 6 Months |
| - Method: LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS | | | |
| Heavy Metals | Sydney | Aug 17, 2022 | 28 Days |
| - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS | | | |

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**Project ID:** 63097

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**Received:** Aug 15, 2022 6:00 PM
**Due:** Aug 18, 2022
**Priority:** 3 Day
**Contact Name:** Michelle Delandro

**Eurofins Analytical Services Manager : Andrew Black**

| Sample Detail | | | | | | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| **External Laboratory** | | | | | | | | |
| **No** | **Sample ID** | **Sample Date** | **Sampling Time** | **Matrix** | **LAB ID** | | | |
| 1 | WHS_01_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034231 | X | | |
| 2 | WHS_01_MAT 02 | Aug 11, 2022 | | Building Materials | S22-Au0034232 | X | | |
| 3 | WHS_01_MAT 03 | Aug 11, 2022 | | Building Materials | S22-Au0034233 | X | | |
| 4 | WHS_01_MAT 04 | Aug 11, 2022 | | Building Materials | S22-Au0034234 | X | | |
| 5 | WHS_01_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034235 | X | | |
| 6 | WHS_01_MAT 06 | Aug 11, 2022 | | Building Materials | S22-Au0034236 | X | | |
| 7 | WHS_01_MAT 07 | Aug 11, 2022 | | Building Materials | S22-Au0034237 | X | | |
| 8 | WHS_01_P01 | Aug 11, 2022 | | Paint | S22-Au0034238 | | | X |

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**Project ID:** 63097

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**Fax:**

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**Eurofins Analytical Services Manager : Andrew Black**

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|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 9 | WHS_01_MAT08 | Aug 11, 2022 | | Building Materials | S22-Au0034239 | X | | |
| 10 | WHS_01_P02 | Aug 11, 2022 | | Paint | S22-Au0034240 | | | X |
| 11 | WHS_01_MAT09 | Aug 11, 2022 | | Building Materials | S22-Au0034241 | X | | |
| 12 | WHS_01_AD01 | Aug 11, 2022 | | Dust | S22-Au0034242 | X | | |
| 13 | WHS_01_LD01 | Aug 11, 2022 | | Dust | S22-Au0034243 | | X | |
| 14 | WHS_01_AD02 | Aug 11, 2022 | | Dust | S22-Au0034244 | X | | |
| 15 | WHS_01_LD02 | Aug 11, 2022 | | Dust | S22-Au0034245 | | X | |
| 16 | WHS_01_MAT10 | Aug 11, 2022 | | Building Materials | S22-Au0034246 | X | | |
| 17 | WHS_01_MAT11 | Aug 11, 2022 | | Building Materials | S22-Au0034247 | X | | |
| 18 | WHS_01_MAT12 | Aug 11, 2022 | | Building Materials | S22-Au0034248 | X | | |

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| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 19 | WHS_01_MAT13 | Aug 11, 2022 | | Building Materials | S22-Au0034249 | X | | |
| 20 | WHS_01_AD03 | Aug 11, 2022 | | Dust | S22-Au0034250 | X | | |
| 21 | WHS_01_LD03 | Aug 11, 2022 | | Dust | S22-Au0034251 | | X | |
| 22 | WHS_01_MAT14 | Aug 11, 2022 | | Building Materials | S22-Au0034252 | X | | |
| 23 | WHS_01_P03 | Aug 11, 2022 | | Paint | S22-Au0034253 | | | X |
| 24 | WHS_01_MAT15 | Aug 11, 2022 | | Building Materials | S22-Au0034254 | X | | |
| 25 | WHS_01_MAT16 | Aug 11, 2022 | | Building Materials | S22-Au0034255 | X | | |
| 26 | WHS_01_AD04 | Aug 12, 2022 | | Dust | S22-Au0034256 | X | | |
| 27 | WHS_01_LD04 | Aug 12, 2022 | | Dust | S22-Au0034257 | | X | |
| 28 | WHS_01_P04 | Aug 12, 2022 | | Paint | S22-Au0034258 | | | X |

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| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 29 | WHS_01_P05 | Aug 12, 2022 | | Paint | S22-Au0034259 | | | X |
| 30 | WHS_01_P06 | Aug 12, 2022 | | Paint | S22-Au0034260 | | | X |
| 31 | WHS_02_P01 | Aug 11, 2022 | | Paint | S22-Au0034261 | | | X |
| 32 | WHS_02_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034262 | X | | |
| 33 | WHS_02_MAT 02 | Aug 11, 2022 | | Building Materials | S22-Au0034263 | X | | |
| 34 | WHS_02_P02 | Aug 11, 2022 | | Paint | S22-Au0034264 | | | X |
| 35 | WHS_02_AD0 1 | Aug 11, 2022 | | Dust | S22-Au0034265 | X | | |
| 36 | WHS_02_LD0 1 | Aug 11, 2022 | | Dust | S22-Au0034266 | | X | |
| 37 | WHS_02_MAT 03 | Aug 11, 2022 | | Building Materials | S22-Au0034267 | X | | |
| 38 | WHS_02_MAT 04 | Aug 11, 2022 | | Building Materials | S22-Au0034268 | X | | |
| 39 | WHS_02_P03 | Aug 11, 2022 | | Paint | S22-Au0034269 | | | X |
| 40 | WHS_02_MAT | Aug 11, 2022 | | Building | S22-Au0034270 | X | | |

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| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 40 | WHS_02_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034270 | | | |
| 41 | WHS_02_MAT 06 | Aug 12, 2022 | | Building Materials | S22-Au0034271 | X | | |
| 42 | WHS_02_MAT 07 | Aug 12, 2022 | | Building Materials | S22-Au0034272 | X | | |
| 43 | WHS_03_P01 | Aug 11, 2022 | | Paint | S22-Au0034273 | | | X |
| 44 | WHS_03_P02 | Aug 11, 2022 | | Paint | S22-Au0034274 | | | X |
| 45 | WHS_03_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034275 | X | | |
| 46 | WHS_03_MAT 02 | Aug 12, 2022 | | Building Materials | S22-Au0034276 | X | | |
| 47 | WHS_04_P01 | Aug 12, 2022 | | Paint | S22-Au0034277 | | | X |
| 48 | WHS_04_P02 | Aug 12, 2022 | | Paint | S22-Au0034278 | | | X |
| 49 | WHS_04_P03 | Aug 12, 2022 | | Paint | S22-Au0034279 | | | X |
| 50 | WHS_04_MAT 01 | Aug 12, 2022 | | Building Materials | S22-Au0034280 | X | | |
| 51 | WHS_04_MAT | Aug 12, 2022 | | Building | S22-Au0034281 | X | | |

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|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| | 02 | | | Materials | | | | |
| 52 | WHS_06_P01 | Aug 11, 2022 | | Paint | S22-Au0034282 | | | X |
| 53 | WHS_06_P02 | Aug 11, 2022 | | Paint | S22-Au0034283 | | | X |
| 54 | WHS_06_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034284 | X | | |
| 55 | WHS_07_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034285 | X | | |
| 56 | WHS_07_MAT02 | Aug 11, 2022 | | Building Materials | S22-Au0034286 | X | | |
| 57 | WHS_07_P01 | Aug 11, 2022 | | Paint | S22-Au0034287 | | | X |
| 58 | WHS_07_AD01 | Aug 11, 2022 | | Dust | S22-Au0034288 | X | | |
| 59 | WHS_07_LD01 | Aug 11, 2022 | | Dust | S22-Au0034289 | | X | |
| 60 | WHS_08_MAT01 | Aug 11, 2022 | | Building Materials | S22-Au0034290 | X | | |
| 61 | WHS_08_P01 | Aug 11, 2022 | | Paint | S22-Au0034291 | | | X |
| 62 | WHS_08_P02 | Aug 11, 2022 | | Paint | S22-Au0034292 | | | X |

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|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 63 | WHS_09_MAT 01 | Aug 12, 2022 | | Building Materials | S22-Au0034293 | X | | |
| 64 | WHS_09_AD0 1 | Aug 12, 2022 | | Dust | S22-Au0034294 | X | | |
| 65 | WHS_09_LD0 1 | Aug 12, 2022 | | Dust | S22-Au0034295 | | X | |
| 66 | WHS_11_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034296 | X | | |
| 67 | WHS_12_MAT 01 | Aug 11, 2022 | | Building Materials | S22-Au0034297 | X | | |
| 68 | WHS_12_MAT 02 | Aug 11, 2022 | | Building Materials | S22-Au0034298 | X | | |
| 69 | WHS_12_MAT 03 | Aug 11, 2022 | | Building Materials | S22-Au0034299 | X | | |
| 70 | WHS_12_MAT 04 | Aug 11, 2022 | | Building Materials | S22-Au0034300 | X | | |
| 71 | WHS_12_MAT 05 | Aug 11, 2022 | | Building Materials | S22-Au0034301 | X | | |
| 72 | WHS_12_MAT | Aug 11, 2022 | | Building | S22-Au0034302 | X | | |

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|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| | 06 | | | Materials | | | | |
| 73 | WHS_12_AD01 | Aug 11, 2022 | | Dust | S22-Au0034303 | X | | |
| 74 | WHS_12_LD01 | Aug 11, 2022 | | Dust | S22-Au0034304 | | X | |
| 75 | WHS_12_AD02 | Aug 11, 2022 | | Dust | S22-Au0034305 | X | | |
| 76 | WHS_12_LD02 | Aug 11, 2022 | | Dust | S22-Au0034306 | | X | |
| 77 | WHS_12_P01 | Aug 11, 2022 | | Paint | S22-Au0034307 | | | X |
| 78 | WHS_12_P02 | Aug 11, 2022 | | Paint | S22-Au0034308 | | | X |
| 79 | WHS_12_P03 | Aug 11, 2022 | | Paint | S22-Au0034309 | | | X |
| 80 | WHS_12_MAT07 | Aug 12, 2022 | | Building Materials | S22-Au0034310 | X | | |
| 81 | WHS_14_MAT01 | Aug 12, 2022 | | Building Materials | S22-Au0034311 | X | | |
| 82 | WHS_14_MAT02 | Aug 12, 2022 | | Building Materials | S22-Au0034312 | X | | |

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**Project Name:** WENTWORTH HS
**Project ID:** 63097

**Order No.:**
**Report #:** 914554
**Phone:** 02 8245 0300
**Fax:**

**Received:** Aug 15, 2022 6:00 PM
**Due:** Aug 18, 2022
**Priority:** 3 Day
**Contact Name:** Michelle Delandro

**Eurofins Analytical Services Manager : Andrew Black**

| Sample Detail | | | | | | Asbestos Absence /Presence | Lead | Lead (% w/w) |
|---|---|---|---|---|---|---|---|---|
| **Sydney Laboratory - NATA # 1261 Site # 18217** | | | | | | X | X | X |
| 83 | WHS_14_AD01 | Aug 12, 2022 | | Dust | S22-Au0034313 | X | | |
| 84 | WHS_14_LD01 | Aug 12, 2022 | | Dust | S22-Au0034314 | | X | |
| 85 | WHS_14_MAT03 | Aug 12, 2022 | | Building Materials | S22-Au0034315 | X | | |
| 86 | WHS_14_MAT04 | Aug 12, 2022 | | Building Materials | S22-Au0034316 | X | | |
| 87 | WHS_14_P01 | Aug 12, 2022 | | Paint | S22-Au0034317 | | | X |
| 88 | WHS_14_P02 | Aug 12, 2022 | | Paint | S22-Au0034318 | | | X |
| 89 | WHS_14_MAT05 | Aug 12, 2022 | | Building Materials | S22-Au0034319 | X | | |
| 90 | WHS_14_MAT06 | Aug 12, 2022 | | Building Materials | S22-Au0034320 | X | | |
| 91 | WHS_14_MAT07 | Aug 12, 2022 | | Building Materials | S22-Au0034321 | X | | |
| 92 | WHS_14_P03 | Aug 12, 2022 | | Paint | S22-Au0034322 | | | X |
| **Test Counts** | | | | | | 57 | 10 | 25 |

## Internal Quality Control Review and Glossary

### General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

### Units

**mg/kg:** milligrams per kilogram
**mg/L:** milligrams per litre
**µg/L:** micrograms per litre
**ppm:** parts per million
**ppb:** parts per billion
**%:** Percentage
**org/100 mL:** Organisms per 100 millilitres
**NTU:** Nephelometric Turbidity Units
**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres

### Terms

| | |
|---|---|
| **APHA** | American Public Health Association |
| **COC** | Chain of Custody |
| **CP** | Client Parent - QC was performed on samples pertaining to this report |
| **CRM** | Certified Reference Material (ISO17034) - reported as percent recovery. |
| **Dry** | Where a moisture has been determined on a solid sample the result is expressed on a dry basis. |
| **Duplicate** | A second piece of analysis from the same sample and reported in the same units as the result to show comparison. |
| **LOR** | Limit of Reporting. |
| **LCS** | Laboratory Control Sample - reported as percent recovery. |
| **Method Blank** | In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water. |
| **NCP** | Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within. |
| **RPD** | Relative Percent Difference between two Duplicate pieces of analysis. |
| **SPIKE** | Addition of the analyte to the sample and reported as percentage recovery. |
| **SRA** | Sample Receipt Advice |
| **Surr - Surrogate** | The addition of a like compound to the analyte target and reported as percentage recovery. |
| **TBTO** | Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits. |
| **TCLP** | Toxicity Characteristic Leaching Procedure |
| **TEQ** | Toxic Equivalency Quotient or Total Equivalence |
| **QSM** | US Department of Defense Quality Systems Manual Version 5.4 |
| **US EPA** | United States Environmental Protection Agency |
| **WA DWER** | Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA |

### QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

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### QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

**Quality Control Results**

| Test | | | Units | Result 1 | | | Acceptance Limits | Pass Limits | Qualifying Code |
|---|---|---|---|---|---|---|---|---|---|
| **Method Blank** | | | | | | | | | |
| Lead (% w/w) | | | % | < 0.01 | | | 0.01 | Pass | |
| **Method Blank** | | | | | | | | | |
| **Heavy Metals** | | | | | | | | | |
| Lead | | | mg/kg | < 5 | | | 5 | Pass | |
| **LCS - % Recovery** | | | | | | | | | |
| **Heavy Metals** | | | | | | | | | |
| Lead | | | % | 99 | | | 80-120 | Pass | |
| **Test** | **Lab Sample ID** | **QA Source** | **Units** | **Result 1** | | | **Acceptance Limits** | **Pass Limits** | **Qualifying Code** |
| **Spike - % Recovery** | | | | | | | | | |
| **Heavy Metals** | | | | Result 1 | | | | | |
| Lead | S22-Au0019487 | NCP | % | 108 | | | 75-125 | Pass | |
| **Test** | **Lab Sample ID** | **QA Source** | **Units** | **Result 1** | | | **Acceptance Limits** | **Pass Limits** | **Qualifying Code** |
| **Duplicate** | | | | | | | | | |
| **Heavy Metals** | | | | Result 1 | Result 2 | RPD | | | |
| Lead | S22-Jl0030650 | NCP | mg/kg | 20 | 21 | 6.5 | 30% | Pass | |

## Comments

## Sample Integrity

| | |
|---|---|
| Custody Seals Intact (if used) | N/A |
| Attempt to Chill was evident | N/A |
| Sample correctly preserved | Yes |
| Appropriate sample containers have been used | Yes |
| Sample containers for volatile analysis received with minimal headspace | Yes |
| Samples received within HoldingTime | Yes |
| Some samples have been subcontracted | No |

## Authorised by:

| | |
|---|---|
| Quinn Raw | Analytical Services Manager |
| Gabriele Cordero | Senior Analyst-Metal |
| Laxman Dias | Senior Analyst-Asbestos |

**Glenn Jackson**
**General Manager**

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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