Hazardous Building Materials Assessment

Lismore South Public School – Flood Recovery Rebuild

NSW Department of Education

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The Power of Commitment

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1. Introduction

This Hazardous Building Materials (HBM) Assessment has been prepared to support a Review of Environmental Factors (REF) for the rebuild of Lismore South Public School (the activity). The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by *State Environmental Planning Policy (Transport and Infrastructure) 2021* (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37 of the T&1 SEPP.

The activity will be carried out at Lismore South Public School (LSPS) located 69-79 Kyogle Street, South Lismore (the site).

GHD Pty Ltd was engaged by the NSW Department of Education (DoE) to undertake a HBM assessment of the buildings and structures within the LSPS grounds. The existing buildings and structures on the Site will be demolished to enable delivery of a new LSPS facility. These existing buildings and structures on the eastern parcel are currently disused and not in operation.

The purpose of the report is to assess and document the risks associated with HBM identified within the existing LSPS buildings for the purpose of informing DoE of the presence of HBM prior to proposed refurbishment.

For the purpose of the assessment, HBM subject to assessment have been limited to the following:

– Asbestos containing material (ACM)
– Asbestos containing dust (ACD)
– Lead based paint
– Lead in dust
– Synthetic mineral fibre (SMF)
– Polychlorinated biphenyls (PCBs)

The following nominated site buildings and facilities were assessed for HBM:

– B00A: Communal Facilities/Library (including hall)
– B00B: Administration/Pupil Facilities (including toilet blocks and undercroft)
– B00C: General Learning (including undercroft and storage area)
– B00D: General Learning (including undercroft)
– B00E: General Learning/Pupil Facilities (including canteen)
– B00F: General Learning (including undercroft)
– B00G: Pupil Facilities (toilet block)
– B00H: General Learning (including undercroft)
– B00I: Building Services (including undercroft)
– B00J: Pre-School Facilities (including playground area)

The HBM assessment was completed by a GHD Licenced Asbestos Assessor (LAA) between 16 and 18 July 2024.

1.1 Site description

The site, located at 69-79 Kyogle Street, South Lismore, consists of two separate land parcels situated on either side of Wilson Street. The proposed activity will be undertaken on the eastern parcel, where most of the school's existing structures are located. The western parcel contains sports fields and temporary learning facilities. Figure 1.1 outlines the school's boundary, covering approximately 2.5 hectares. Due to flood damage, the existing buildings on the eastern parcel are currently unused, and students are temporarily using facilities on the sports field and oval, located on the western side of Wilson Street, adjacent to the primary school.

Figure 1.1 Aerial image of site (Source: Nearmap)

The general site layout and the location of the buildings and facilities assessed within this HBM assessment is shown in Figure 1.2.

Figure 1.2 Site layout and building locations

1.2 Proposed activity description

The proposed activity comprises the rebuild of the LSPS on the eastern parcel of the existing site, in South Lismore, and will be delivered in a single stage. The western parcel is out of the scope of the activity. Any works required on the western parcel (such as removal of demountable classrooms) will be subject to separate approval (if required).

A detailed description of the proposal is as follows:

- Retention of the existing play equipment, Building K and covered outdoor learning area (COLA) on the western parcel.
- Bulk earthworks, comprising fill and excavation and other site preparation works on the eastern parcel.
- Construction of a new building on the eastern parcel for LSPS including:
  - A one storey building (with undercroft areas below) fronting Kyogle Street containing a general learning space (GLS) hub, hall, library, support hub, administration, and pre-school.
  - Undercroft outdoor learning areas as well as amenities and storage located on ground level.
- Landscaping and public domain works, including tree planting, a games court in the northeast corner and an outdoor playing area adjacent to the preschool.

– A car park on the eastern side of the site, with access from Kyogle Street.
– Waste collection area access from Kyogle Street.
– Multiple entrance points, including:
  - Primary and secondary entries distributed on site frontages.
  - Vehicular access point to provide access to waste collection/delivery areas and car parking.
  - Ancillary public domain mitigation measures.

Figure 1.3 below shows the scope of works.

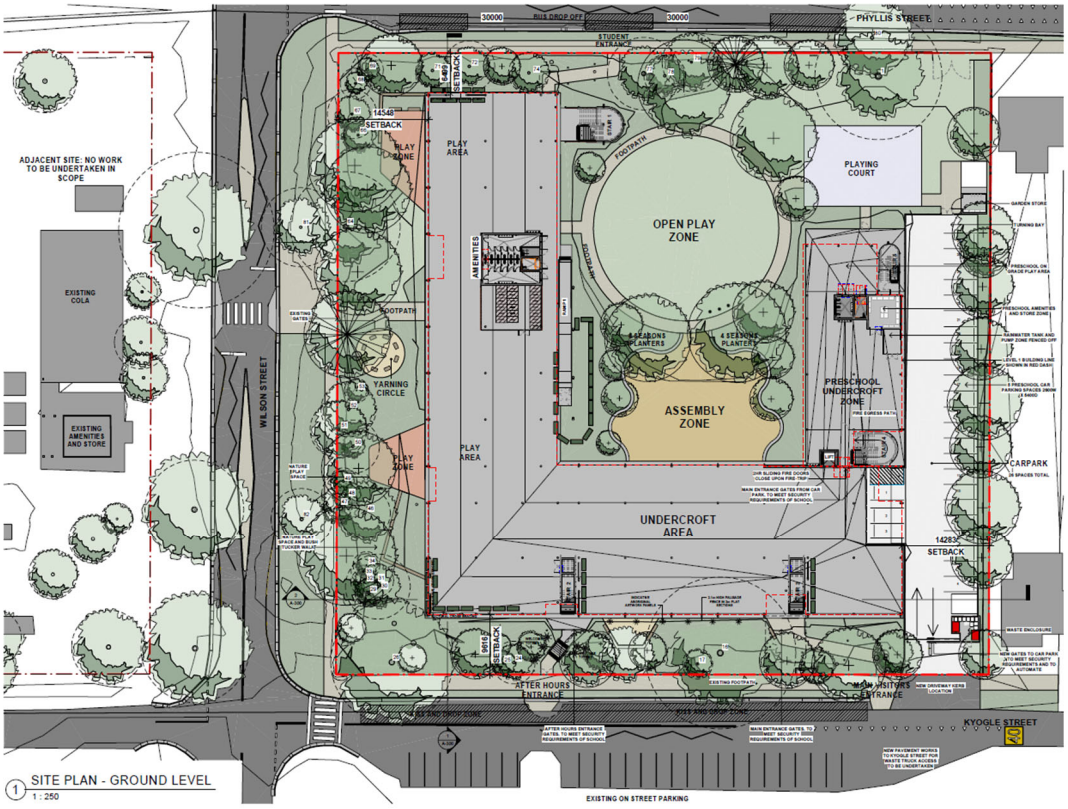


Figure 1.3 Proposed site plan (Source: EJE Architecture)

1.3 Objective

The objective of the HBM assessment was to locate, assess and document a risk assessment, as far as reasonably practicable, for all identified and suspected HBM within visible and accessible areas of the nominated disused buildings and facilities on the Site.

1.4 Scope of HBM assessment

The scope of the HBM assessment included the following:

– Desktop review of existing DoE information (including registers and/or management plans).
– Identify the presence of suspect HBM within areas that may be disturbed during demolition or refurbishment.
– Collection of samples of suspect ACM, lead based paint systems and accumulated dust for analysis by a National Association of Testing Authorities (NATA) accredited laboratory.
– Assess the risks associated with each identified HBM.
– Assess risk management strategies associated with the demolition works.
– Prepare an assessment report, including a Hazmat Register for the LSPS in alignment with the requirements of the *Work Health and Safety Act 2011* (NSW) and associated legislation including Work Health and Safety Regulations 2017 (NSW).

1.5 Legislative requirements

The HBM assessment and preparation of this report have been undertaken in accordance with the requirements of:

– *Work Health and Safety Act 2011* (NSW)
– Work Health and Safety Regulations 2017 (NSW)
– How to Manage and Control Asbestos in the Workplace, 2022. SafeWork NSW
– How to Safely Remove Asbestos, 2022. SafeWork NSW

Further hazardous material guidance includes:

– National Occupational Health and Safety Commission (1990) Synthetic Mineral Fibres; National Standard for Synthetic Mineral Fibres; and the National Code of Practice for the Safe Use of Synthetic Mineral Fibres.
– AS4361.2 (2017) Guide to Lead Paint Management. Part 2: Residential and Commercial Buildings.
– ANZECC (1997) Identification of PCB-containing Capacitors: An Information Booklet for Electricians and Electrical Contractors.
– National Environment Protection Measure (Assessment of Site Contamination) 1999, as amended May 2013 (NEPC, 2013).
– Safework Australia Workplace Exposure Standards for Airborne Contaminants (2022).

1.6 Limitations

This report has been prepared by GHD for NSW Department of Education and may only be used and relied on by NSW Department of Education for the purpose agreed between GHD and NSW Department of Education as set out in Section 1 of this report.

This report must not be copied to, altered, amended or abbreviated, issued in part or issued incomplete without the prior written consent of GHD. This report may only be used for the purpose of managing the hazardous materials identified within the nominated property assessed and must not be used for any other purpose.

GHD otherwise disclaims responsibility to any person other than NSW Department of Education arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared. The recorded condition of hazardous materials may change over time. This may be due, but not limited to, deterioration, damage or other disturbance. As such, the report records conditions at the time of inspection only.

The data and advice provided herein relate only to the project and structures described in the report and must be reviewed by a competent professional before being used for any other purpose. GHD accepts no responsibility for other use of the data. Where a third party conducted reinspection work, reports or verbal information that has been relied upon, the data are included and used in the form provided by others. The responsibility for the accuracy of such data remains with the original entity and not with GHD.

The advice tendered in this report is based on information obtained from the inspection and sampling locations and is not warranted in respect to the conditions that may be encountered across the building structure or site at other than these locations, including those actually encountered during any future maintenance, refurbishment or demolition. Stated quantities of observed materials or items should not be inferred as being a definitive quantity reinspection of such materials or items.

The recorded condition of hazardous building materials may change over time. This may be due, but not limited to, deterioration, damage or other disturbance. As such, the report records conditions at the time of assessment only.

As the assessment is a visual inspection and a sampling process, only those hazardous materials that are physically accessible and visible can be located and identified. The possibility that unassessed hazardous materials remain in inaccessible or concealed areas cannot be ruled out. Such areas include but are not limited to, inside set ceilings or wall cavities, surface areas with high vegetation density, service shafts and ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant or totally inaccessible areas concealed within the building structure and only accessible during demolition.

The opinions, conclusions and any recommendations in this report are based on limited input data provided by NSW Department of Education and other parties, limited field observations, and reasonable assumptions made by GHD described in this report. GHD disclaims liability arising from errors or omissions in the input data or any of the assumptions being incorrect.

The report is not intended for the general programming of asbestos removal works unless used in conjunction with a specification detailing the extent of works, recommendations for additional assessments and appropriate control measures.

It should be noted that no assessment can be regarded as absolute, and that partial or total demolition of structures may reveal instances of asbestos and other hazardous building materials in-situ that were not identified during this assessment.

2. Methodology

2.1 Desktop and field assessment

The following methodology was carried out during the HBM assessment:

– Desktop review of existing DoE information (including registers and/or management plans).
– Assessment of nominated above ground buildings and facilities (as identified in Section 1) using intrusive inspection methods, where practicable, noting the condition and accessibility of potential HBM.
– Undertake static air monitoring prior to and during the HBM assessment works.
– Collection of representative samples from materials suspected of containing asbestos and/or lead based paint/dust (where deemed necessary).
– Submission of collected samples to a NATA accredited laboratory.
– Visual assessment for PCBs and SMF.
– Noting inaccessible areas during the inspection and provide a reason for the restricted access e.g. unsafe due to confined spaces, live electricity, height restrictions.
– Compilation of a HBM register and report detailing the confirmed and suspected occurrences of HBM within the nominated buildings.

2.2 Assessment limitations

The HBM inspection was undertaken only in those areas where access was available. Areas or features of the Site noted for the purpose of the assessment as inaccessible should be managed accordingly.

As the assessment was a visual inspection and sampling process, only those materials that were physically accessible and visible could be located and identified. The possibility that unsighted HBM remain in inaccessible or concealed areas cannot be ruled out. Such areas generally include but are not limited to:

– Inside set ceilings or wall cavities
– Electrical equipment (backing boards, switches and light fittings)
– Materials on or above roof lines
– Areas accessible only by dismantling or destroying equipment
– Beneath concrete floors or where only restricted access is available to sub floor spaces
– Building voids
– Inaccessible areas concealed within the building structure and only accessible during demolition works
– Sub-surface infrastructure such as pipework and storage tanks or containers and buried materials
– Ground surfaces concealed by dense vegetation

Equipment found either stored or in use was not dismantled or damaged for the purpose of inspection. Similarly, moveable chattels such as desks within offices, were not reviewed. Moveable chattels are not considered part of this assessment.

It should be noted that no assessment can be regarded as absolute, and there is a possibility that unsighted hazardous materials remain in inaccessible or concealed areas. Partial or total demolition of structures may reveal instances of hazardous materials in-situ that were not identified during this assessment.

Areas not accessed are deemed to contain HBM until such a time that access can be gained and the presence, or otherwise, of hazardous materials can be confirmed.

This report may be considered to provide an indication on the type of HBM likely to be encountered in the asset during ongoing general site use or refurbishment/demolition works, in line with the limitations of the assessments conducted.

2.3 Sample collection

Where appropriate, representative samples of suspected HBM were collected and analysed to confirm the presence (or absence) of asbestos, ACD, lead paint and lead in dust in order to form the basis for individual records in the HBM register.

Where possible, samples were collected from previously damaged or discrete locations with limited cross-referencing of similar suspect building materials. Samples were labelled with a definitive and unique sample location identifier and a material description. Where required, after sample collection, the sample location was sealed with polyvinyl acetate (PVA) adhesive to seal the sample location and prevent further disturbance.

2.4 Sample analysis

2.4.1 Asbestos

Samples of suspected ACM and ACD were collected by a GHD Licensed Asbestos Assessor (LAA) for analysis at a NATA accredited laboratory.

Asbestos samples were analysed using polarised light microscopy in conjunction with dispersion staining techniques in accordance with Australian Standard™ AS 4964-2004: Method for the qualitative identification of asbestos in bulk samples. The results of all sample analysis were interpreted by competent personnel.

2.4.2 Lead in paint

Representative samples of suspected lead-based paint systems were taken from the building and structural surfaces and analysed at a NATA Accredited Laboratory. Lead content is reported in percentage weight by weight and compared with AS4361.2-2017, Guide to Lead Paint Management, Part 2: Residential and Commercial Buildings lead containing paint system level of 0.1 per cent (w/w) of the dried film.

The HBM Register in Appendix A indicates the general locations of painted surfaces coated with suspected lead based paint systems.

2.4.3 Lead in dust

Dust suspected of lead content was sampled and analysed in accordance with the Australian Standard (AS) 4361.2 Guide to Lead Paint Management; Part 2 Residential and Commercial Buildings.

GHD conducted the sampling in general accordance with the AS/NZS 4361.2 using disposable nitrile gloves, a commercially available non-alcoholic wet wipe was placed flat onto the surface and rubbed across 30 cm x 30 cm square area in an ‘S’ pattern. The wipe was folded so that the collected dust is on the inside and is again rubbed across the area at 90 degrees to the first ‘S’ shape. The wipe was folded with the dust inside and placed in a food grade zip lock plastic bag. To minimise cross contamination, a new pair of disposable gloves were worn for each sample location.

The NATA accredited laboratory reports the concentrations of lead dust contained in the swabs as µg lead per swab. The lead dust loading is then calculated to be expressed as milligrams of lead per square metre (mg/m^2).

The revised Australian and New Zealand Standard for managing lead-based paint in residential and commercial places (AS/NZS 4361.2-2017 Guide to lead paint management Part 2: Residential and Commercial Buildings) no longer provides guidance for lead surface dust levels.

As a guide the NSW EPA document *Managing Lead Contamination in Home Maintenance, Renovation and Demolition Practices: A Guide to Councils* provides the following guidance levels for lead in surface dust*:*

– Bare and carpeted floors: 1 mg/m^2 (as lead)
– Interior window sills and ledges: 5.4 mg/m^2 (as lead)
– Window troughs and exterior surfaces: 8.6 mg/m^2 (as lead)

The levels detailed above were designed for clearance of lead in dust in a residential or school setting. As such, the lead surface dust levels detected may need to be considered with a risk-based approach, taking into account the exposure route as well as duration of exposure.

The HBM Register in Appendix A indicates the general locations where sampling of dust suspected of lead content was undertaken.

2.4.4 Synthetic mineral fibres

SMF materials were not sampled for laboratory analysis as part of the site assessment and were instead visually identified by the GHD assessor.

2.4.5 Polychlorinated biphenyls

Where possible, capacitors within fluorescent light fittings are observed and cross-referenced with the publication, *Identification of PCB-containing Capacitors, ANZECC, 1997.* However internal inspection and/or sampling was not possible due to access limitations. Therefore, a general comment was made in the register on its potential to harbour a PCB capacitor.

No other electrical equipment was assessed for potential PCB containing materials.

3. Previous investigations

The following information was supplied by DoE for review and inclusion as part of the HBM assessment:

– Asbestos Register (Hazardous Materials and Risk Register) – Lismore South Public School (2409) Reviewed by WSP 31 October 2016.

4. Risk assessment

The presence of HBM can represent a real or potential health risk to humans. Where, due to material condition and location, a pathway to human exposure does not exist, and then the risks to human health are significantly reduced.

This section details how each HBM documented by GHD was categorised in Appendix A with regards to friability, condition, accessibility, risk and control methods, as applicable. Note that the samples which were found not to contain hazardous substances were not categorised for friability, condition, accessibility or risk. The estimated volume of the material from which the sample originated is also included in the HBM register for identification purposes.

The following material classifications were given to each of the HBM identified in Appendix A.

4.1 Friability (applies to ACM only)

Each instance of confirmed ACM was categorised by GHD in accordance with the categories outlined in Table 4.1.

Table 4.1 Friability assessment (ACM only)

Descriptor	Decision rule
Friable	Asbestos containing material which, when dry, is or may become crumbled, pulverized or reduced to powder by hand pressure.
Non-friable	Asbestos containing material that is not friable asbestos, including material containing asbestos reinforced with a bonding compound.

4.2 Material condition

The condition of each instance of confirmed or presumed HBM was classified as one of the four categories outlined in Table 4.2.

Table 4.2 Condition assessment

Ranking/ Description	Non-friable ACM	Friable ACM	SMF	Lead based paint (>0.01% lead)	PCB
Very good	Sealed/ encapsulated	-	Bonded	No damage	Sealed – no damage
Good	Unsealed/ undamaged	-	Stable/ un-bonded	Stable	Sealed
Fair	Cracked or weathered	Encapsulated	-	Deteriorated	-
Poor	Damaged or debris	Unsealed	Deteriorating/ un-bonded	Dust and debris	Leaking

4.3 Likelihood of disturbance

Table 4.3 below details the classification of the likelihood of disturbance categories.

Table 4.3 Likelihood of disturbance assessment

Descriptor	Guideline
Low	Where activities within the area where HBM are located are unlikely to impact the material; or areas where the probability of being occupied by building users for extended periods on a regular basis are low. e.g. The material is located externally or above a suspended ceiling, in the roof space, or concealed in service ducts or piping.
Medium	Where activities within the area where HBM are located may infrequently (once to three times per year) impact the material, or areas where the probability of being occupied by building users for short periods on a regular basis is high. e.g. Plant rooms and workshops containing operational plant or equipment and are occasionally visited. Corridors, lunch rooms, toilets and internal elevated surfaces where a ladder is required for access.
High	Demolition works are scheduled for the asset and therefore will disturb the HBM if not removed prior. Where activities within the area where HBM are located may frequently (greater than once a month) impact the material, or areas where the probability of being occupied by building users for extended periods on a regular basis is high. e.g. Offices and workshops which are always occupied. As part of job occupants may come into contact with damaged or deteriorated HBM.

4.4 Level of risk

A risk assessment that classifies the risk level for each particular HBM to allow informed decisions about control measures during the ongoing occupancy of the assets was undertaken. The risk assessment then identifies the risk treatment options on how to manage *in situ* HBM.

Risk values were calculated by combining the condition and likelihood of disturbance rankings, as determined during the site inspection and are presented in Table 4.4.

Table 4.4 Risk matrix

Condition	Likelihood of Disturbance		
	High	Medium	Low
Poor	Very High	High	Medium
Fair	High	Medium	Medium
Good	Medium	Medium	Low
Very Good	Medium	Low	Low

Please note that the above decision rules are a guide only and some instances of HBM may have additional risk assessment effort and outcomes, as appropriate.

All HBM items identified were given a Very High risk level as the nominated buildings are to be demolished.

A description of risk levels are described in Table 4.5.

Table 4.5 Description of risk levels

Risk level	Guideline
Low	Material stable. Reassess condition within 12 months.
Medium	Material may remain in situ under effective interim administrative controls. Material condition to be improved or likelihood of disturbance to be reduced within 12 months.
High	Material may remain in situ under effective interim administrative controls. Material condition to be improved or likelihood of disturbance to be reduced within 6 months.
Very high	Area where the material is present; is not suitable for occupancy, urgent remediation is required. Imminent risk of harm. **This category also applies to demolition and/or refurbishment works that will impacting on HBM.**

4.5 Control method

Each instance of HBM was categorised as requiring one of the control methods described in Table 4.6.

Table 4.6 Control methods

Descriptor	Guideline
None required	No HBM identified
Defer (leave and maintain)	Stable material – not prone to damage
Encapsulate (seal)	Stable material – slightly deteriorated may be prone to damage and requires protection
Enclosure	Stable or damaged material – where removal is not practicable and more protection than encapsulation is required
Remove[1]	Deteriorated/damaged material, or material prone to routine disturbance, where encapsulating is not adequate or there is a requirement to remove prior to demolition

[1] The preference will always be to eliminate the identified HBM hazards from the asset and if it is practicable for the occupier to do so then HBM removal should always be considered.

5. Results

The HBM assessment was conducted between 16 and 18 July 2024. The results of the HBM assessment are presented in a register format, which is designed to provide readily available information about the presence of HBM within nominated assets at LSPS. Photographs of observations made during the assessment are provided within the HBM register. The HBM register and laboratory analysis reports have been provided in Appendix A and Appendix B (respectively).

5.1 Air monitoring

Static airborne fibre monitoring was conducted in accordance with Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)].

Air monitoring was conducted prior to (background) and during (control) the assessment works in accordance with DoE requirements. A summary of the background and control air monitoring results is provided in the following table. The air monitoring laboratory analysis report has been provided in Appendix B.

Table 5.1 Air monitoring results

Date	Sample type	Sample ID	Location around asbestos work area	Results fibres/100 fields	Result – f/ml[1]
16/07/2024	Background	CW389536	Southern boundary	0/100	<0.01 fibres/mL
		CW389539	Western boundary	0/100	
		CW390600	Northern Boundary	0/100	
		CW389510	Eastern boundary	0/100	
	Field blank	CW389514	-	0/100	
17/07/2024	Control	CW389966	Southern boundary	0/100	<0.01 fibres/mL
		CW389519	Western boundary	0/100	
		CW389788	Northern Boundary	0/100	
		CW389568	Eastern boundary	0/100	
	Field blank	CW389554	-	0/100	
18/07/2024	Control	CW389588	Southern boundary	0/100	<0.01 fibres/mL
		CW389512	Western boundary	0/100	
		CW389578	Northern Boundary	0/100	
		CW389624	Eastern boundary	0/100	
	Field blank	CW389527	-	0/100	

1 - f/mL concentration calculated in accordance with Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)].

5.2 ACM and ACD

An asbestos register for the LSPS buildings revised in 2016 was provided by DoE for review and incorporated into the HBM assessment.

Instances of friable and non-friable ACM and ACD were identified as part of this HBM assessment. An updated register providing a detailed summary of identified and suspected ACM and ACD and materials or locations deemed to contain asbestos is presented in Appendix A.

5.3 Lead based paint

Concentrations of lead in paint systems sampled during the inspection were assessed against the 0.1% w/w lead content threshold.

Lead based paint in exceedance of the 0.1% w/w lead content threshold was identified as part of this HBM assessment. An updated register providing a detailed summary of all identified lead based paint systems and materials or locations deemed to contain lead based paint is presented Appendix A.

5.4 Lead in dust

Lead concentrations in surface dust sampled during the inspection were assessed against the indicative 1 mg/m^2 lead surface dust threshold.

Lead in dust in exceedance of the 1 mg/m^2 lead surface dust threshold was identified as part of this HBM assessment. An updated register providing a detailed summary of all identified lead containing dust and locations deemed to contain dust containing lead is presented Appendix A.

5.5 Synthetic mineral fibres

Synthetic mineral fibres were visually identified as thermal insulation within a variety of locations within the building structures and heating equipment at the site.

An updated register providing a detailed summary of all visually and laboratory identified SMF is presented in Appendix A.

5.6 PCBs

A register of observed fluorescent light fittings potentially containing PCBs is presented in Appendix A.

5.7 Inaccessible areas

General inaccessible areas for the Site included:

– No access beneath buildings, in ceiling space/s and above roof lines
– Inside set ceilings or wall cavities
– Ground surface areas with high vegetation density
– Within sealed plant/equipment

Site specific inaccessible areas encountered during the HBM assessment are outlined in the table below and summarised in the registers provided in Appendix A.

Table 5.2 Summary of areas deemed "no access"

Nominated asset	Location	Potential for Hazmat
Lismore South Public School nominated assets	Inaccessible or concealed areas including but not limited to, inside set ceilings or wall cavities, pipe surfaces beneath existing lagging, ceiling ducts, height restricted areas above stairways, areas accessible only by dismantling equipment, voids or internal areas of plant or totally inaccessible areas concealed within the building structure and only accessible during demolition.	Potential for ACM, ACD, SMF, lead based paint or lead containing dust

6. Mitigation measures and conclusions

The following recommended mitigation measures relate to the minimum requirements for safe removal of HBM from the nominated buildings at LSPS prior to general demolition works commencing. A detailed methodology for the safe removal of HBM should be included in a Demolition Management Plan (or similar) for the Site.

The recommendations, conclusions or stability of the HBM contained in this report shall not abrogate a person of their responsibility to work in accordance with Statutory Requirements, Codes of Practice, Guidelines, Material Safety Data Sheets, Work Instructions or reasonable work practices.

6.1 Asbestos containing materials

All identified ACM and ACD must be removed prior to demolition in accordance with the SafeWork NSW Code of Practice - How to Safely Remove Asbestos (2022).

Instances of friable ACM must be removed by a Class A (Friable) licenced asbestos contractor, while bonded ACM may be removed by either a Class A (Friable) or Class B (bonded) licenced asbestos contractor, in accordance with the relevant Acts, standards and guidelines.

Further, given the detection of friable ACM in dust within the internal floor areas of building B00C, GHD recommends immediate control measures are implemented to restrict access to the internal areas of B00C. Any entry to B00C should be undertaken only under friable asbestos control conditions. Appropriate warning signs should also be erected to warn of the asbestos hazard.

6.2 Lead containing materials

6.2.1 Lead based paint

Paint containing lead levels greater than 0.1% lead w/w was identified during the HBM assessment.

Prior to demolition, lead based paints may be disposed of attached to the substrates as long as they are in good condition. If the lead based paints are chalking or delaminating, the paint residues should be removed from the substrates in accordance with AS/NZS 4361.2:2017; Guide to Hazardous Paint Management. Part 2: Lead and Other Hazardous Metallic Pigments in Industrial Applications. The waste generated must be disposed of as a lead containing material in accordance with NSW EPA requirements.

6.2.2 Lead in dust

Surface dust containing lead levels greater than the indicative 1 mg/m^2 lead surface dust threshold were identified as part of this HBM assessment.

As previously outlined, the Australian and New Zealand Standard for managing lead-based paint in residential and commercial places (AS/NZS 4361.2-2017 Guide to lead paint management Part 2: Residential and Commercial Buildings) no longer provides guidance for lead surface dust levels.

Given the absence of current Australian guidance for lead in surface dust, prior to any proposed demolition works that may disturb lead containing dusts, it is recommended further risk assessment is undertaken, taking into account potential exposure routes and duration, to adequately identify hazards, associated risks and controls. This additional risk assessment should be included as a Demolition Management Plan (or similar) requirement.

6.3 Synthetic mineral fibres

SMF likely to be disturbed by demolition should be removed and detailed methodology for the safe removal of SMF should be included in a Demolition Management Plan (or similar). Guidance on the management of SMF is provided in the *National Occupational Health and Safety Commission (1990) Synthetic Mineral Fibres; National Standard for Synthetic Mineral Fibres; and the National Code of Practice for the Safe Use of Synthetic Mineral Fibres.*

6.4 Polychlorinated biphenyls

Older fluorescent light fittings and electrical components which are assumed to contain PCBs were identified during the HBM assessment. Electrical transformers and light fittings throughout the building should be inspected by an electrician prior to any demolition to confirm the presence (or otherwise) of capacitors containing PCB.

If capacitors are identified as potentially containing PCB, the capacitors must be removed and disposed in accordance with ANZECC (1997) Identification of PCB-containing Capacitors: An Information Booklet for Electricians and Electrical Contractors.

6.5 Areas not assessed

Inaccessible areas and any assets where it is unclear if assessments have been conducted should be assumed to contain HBM until further inspected. Prior to demolition, a destructive pre-demolition HBM assessment is recommended to be completed as part of the requirements of a Demolition Management Plan or similar.

6.6 Maintenance of the HBM register

Maintenance of the HBM Register(s) is required so that they remain current and DoE and its tenants/workers/ contractors can rely upon it as an accurate representation of HBM present at the relevant assets.

In order to continually improve the completeness and accuracy of the HBM register, it is recommended that DoE:

– Action and document the management recommendations made within the registers, particularly where an elevated risk is present.
– Add entries related to precautionary testing, if conducted.
– Undertake additional inspections (where required) to determine the presence of HBM in spaces or assets that were not accessible or may not be listed on the HBM register.
– Record removal and maintenance of instances of HBM.
– Record the demolition of assets (buildings/structures) containing HBM.
– Undertake a re-inspection once every two years (or as otherwise required) to maintain the register and review the level of risk assigned to the particular instance of HBM.
– Distribute or otherwise make available all HBM re-inspections, registers or other relevant information to all employees, visitors, contractors and maintenance people or companies with potential to disturb or work with known or presumed HBM.

6.7 Suspect materials, further advice and precautionary sampling

Any material suspected of being a hazard to health that is encountered during ongoing maintenance, refurbishment, dismantling or demolition of buildings and/or structures (but are not listed in existing HBM documentation) should be treated as suspected HBM and the material should be sampled and analysed for the suspected hazard (if applicable). Any associated works with potential to disturb the material are to cease and the area made safe. If the suspect material has already been disturbed, then the overarching provisions of a Hazardous Materials Management Plan or similar, is to be followed, including advice sought.

If in doubt or unsure of any issue involving known, presumed or suspect HBM, then works should cease and advice sought.

6.8 Planning of maintenance or demolition works

With respect to any known or potential HBM, the planning of demolition works needs to be undertaken carefully. It should include consideration of the following:

– Requirements of an overarching Hazardous Materials Management Plan or similar.
– Recognition that any identified HBM is the minimum amount of material present.

– Subsequent recognition that the scope and limitations of prior HBM's may result in additional unidentified HBM being present. This may require works to:
    - Address potential information gaps as part of pre-demolition planning, such as assessing any previously inaccessible areas and assuming that HBM may be present in other areas not accessed by previous HBM assessments.
    - Project team undertaking a HBM risk analysis and incorporating suitable provisions into contract/specification.
    - Consider directing the works Contractor to undertake their own independent HBM of the work area (may use existing information) which adds an additional layer of assurance as well as minimising potential Contractor time and cost variations as works progress.
    - Undertake an intrusive pre-demolition HBM assessment prior to any proposed demolition of the assets to verify the presence/ absence of Hazmat and verify expected quantities.

Prior to demolition or similar activities, all hazardous materials likely to be disturbed by those works must be removed, as far a reasonably practical, from buildings or structures.

6.9 Summary

Table 6.1 summarises the mitigation measures proposed to avoid and minimise adverse environmental and human health impacts associated with HBMs.

Table 6.1 Mitigation measures

Mitigation Number/Name	Aspect/Section	Mitigation Measure	Reason for Mitigation Measure
Removal of ACM and ACD	Prior to demolition	All identified ACM and ACD will be removed prior to the demolition in accordance with the SafeWork NSW Code of Practice – How to safely remove Asbestos (2022). Detailed methodology for the safe removal of ACM and ACD should be included in a Demolition Management Plan (or similar) for the Site.	Presence of friable and non-friable ACM and ACD
		Friable ACM will be removed by Class A (Friable) licenced asbestos contractor.	
		Bonded ACM will be removed by either a Class A (Friable) or Class B (bonded) licenced asbestos contractor.	
		Any entry to B00C will be undertaken only under friable asbestos control conditions. As soon as practicable, appropriate warning signs will also be erected to warn of the asbestos hazard.	Detection of friable ACM in dust within the internal floor areas of building B00C.
Lead containing materials	Prior to demolition	Lead based paints may be disposed of attached to the substrates as long as they are in good condition. If chalking or delaminating, the paint residues will be removed from the substrates in accordance with AS/NZS 4361.2:2017; Guide to Hazardous Paint Management. Part 2: Lead and other Hazardous Metallic Pigments in Industrial Applications. The waste generated will be disposed of as a lead containing material in accordance with NSW EPA requirements. Detailed methodology for the safe removal of lead based paint should be included in a Demolition Management Plan (or similar) for the Site	Presence of lead based paints

Mitigation Number/Name	Aspect/Section	Mitigation Measure	Reason for Mitigation Measure
Removal of Synthetic mineral fibres	Prior to demolition	SMF likely to be disturbed will be removed. Management of SMF will be in accordance with the National Occupational Health and Safety Commission (1990) Synthetic Mineral Fibres; National Standard for Synthetic Mineral Fibres; and the National Code of Practice for the Safe Use of Synthetic Mineral Fibres. Detailed methodology for the safe removal of SMF should be included in a Demolition Management Plan (or similar) for the Site	Presence of SMF
Confirming the presence (or otherwise) of capacitors containing PCB	Prior to demolition	Electrical transformers and light fittings throughout the building will be inspected by an electrician. If capacitors are identified as potentially containing PCBs, they will be removed and disposed in accordance with ANZECC (1997) Identification of PCB-containing Capacitors: An Information Booklet for Electricians and Electrical Contractors. Detailed methodology for the safe removal of SMF should be included in a Demolition Management Plan (or similar) for the Site.	Older fluorescent light fittings and electrical components which are assumed to contain PCBs were identified during the HBM assessment.
Areas not assessed	Prior to demolition	Inaccessible areas and any assets where it is unclear if assessments have been conducted will be assumed to contain HBM until further inspected. Destructive pre-demolition HBM assessment is proposed and should be included as a requirement in a Demolition Management Plan (or similar) for the Site.	Potential for presence of HBM in areas not assessed
Maintenance of HBM Register	Prior to and during demolition	Maintenance of the HBM Register(s) will be undertaken so that they remain current and DoE and its tenants/workers/ contractors can rely upon it as an accurate representation of HBM present at the relevant assets. To continually improve the completeness and accuracy of the HBM register, the following is proposed: – Action and document the management recommendations made within the registers, particularly where an elevated risk is present with a corresponding recommended timeframe of 12 months or less. – Add entries related to precautionary testing, if conducted. – Undertake re-inspections to determine the presence of HBM in spaces or assets that were not accessible or may not be listed on the HBM register. – Record removal and maintenance of instances of HBM. – Record the demolition of assets (buildings/structures) containing HBM. – Undertake a re-inspection once every two years (or as otherwise required) to maintain the register and review the level of risk assigned to the particular instance of HBM. – Distribute or otherwise make available all HBM re-inspections, registers or other relevant information to all employees, visitors, contractors and maintenance people or companies with potential to disturb or work with known or presumed HBM.	Improve the completeness and accuracy of the HBM register to manage risks

Mitigation Number/Name	Aspect/Section	Mitigation Measure	Reason for Mitigation Measure
Suspect materials, further advice and precautionary sampling	Prior to and during demolition	Any material suspected of being a hazard to health that is encountered (but are not listed in existing HBM documentation) will be treated as suspected HBM and the material will be sampled and analysed for the suspected hazard (if applicable). Any associated works with potential to disturb the material will cease and the area made safe. If the suspect material has already been disturbed, then the overarching provisions of a Hazardous Materials Management Plan or similar, will be followed, including advice sought from a suitably qualified and experienced professional. If in doubt or unsure of any issue involving known, presumed or suspect HBM, then works will cease and advice sought from a suitably qualified and experienced professional. Detailed methodology and procedures for the identification of suspect materials, including further advice and precautionary sampling, should be included as part of a Demolition Management Plan (or similar) for the Site.	Potential unexpected finds
Planning of demolition works	Prior to demolition	Prior to demolition or similar activities, all hazardous materials likely to be disturbed by those works will be removed prior to the commencement of demolition works. Planning of demolition works will include consideration of: – Requirements of an overarching Hazardous Materials Management Plan, Demolition Management Plan or similar. – Recognition that any identified HBM is the minimum amount of material present. – Subsequent recognition that the scope and limitations of prior HBM's may result in additional unidentified HBM being present. This may require works to: • Address known information gaps, such as assessing any previously inaccessible areas and assuming that HBM may be present in other areas not accessed by previous HBM assessments. • Project team undertaking a HBM risk analysis and incorporating suitable provisions into contract/specification. • Consider directing the works Contractor to undertake their own independent HBM of the work area (may use existing information) which adds an additional layer of assurance as well as minimising potential Contractor time and cost variations as works progress. • Undertake an intrusive pre-demolition HBM assessment prior to any proposed demolition of the assets to verify the presence/ absence of Hazmat and verify expected quantities.	Disturbance of hazardous materials

The proposed activity will not have a significant effect on the environment subject to implementation of the mitigation measures as outlined in Table 6.1.

7. References

AS4361.2 (2017) Guide to Lead Paint Management. Part 2: Residential and Commercial Buildings.

ANZECC (1997) Identification of PCB-containing Capacitors: An Information Booklet for Electricians and Electrical Contractors.

National Occupational Health and Safety Commission (1990) Synthetic Mineral Fibres; National Standard for Synthetic Mineral Fibres; and the National Code of Practice for the Safe Use of Synthetic Mineral Fibres.

NEPC (2013). National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended by the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1), National Environment Protection Council, May 2013.

NOHSC:3003 (2005). Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres 2nd Edition.

NSW EPA (2003) Managing Lead Contamination in Home Maintenance, Renovation and Demolition Practices: A Guide to Councils, February 2003.

SafeWork NSW Code of Practice: How to Manage and Control Asbestos in the Workplace, SafeWork NSW 2022.

SafeWork NSW Code of Practice: How to Safely Remove Asbestos, SafeWork NSW 2022.

Safework Australia Workplace Exposure Standards for Airborne Contaminants (2022).

Work Health and Safety Act 2011 (NSW).

Work Health and Safety Regulations 2017 (NSW).

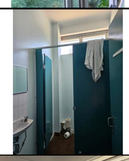
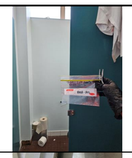
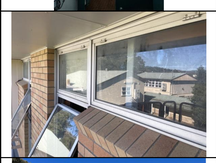
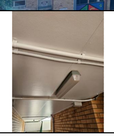
Appendices

Appendix A

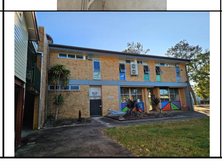
HBM Register

Hazardous Materials Register

Site Location: Lismore South PS - B00A - Communal Facilities/Library
Inspection Date: 18-Jul-24

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00A - Communal Facilities/Library - Built 1978 - Brick/Block construction																				
Asbestos material detected																							
18-Jul-24		GHD	B00A - Library	GF	External	Sealant / Adhesives	All windows to ground floor south wall	South wall	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	6	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00A - Library	GF	External	Sealant / Adhesives	All windows to ground floor north wall	North wall	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	<1	m2	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00A - Library	GF	External	Flat cement product	Window surrounds	Flat cement sheet packers present above and below external window frames thoughout ground and first floors of building B00A	Packers	Unsealed	refer to B00F-A04	Chrysotile & Amosite Detected	Non-friable	Fair	High	Very high	Removal	Not required	55	Item	Quantity estimate based on presence of packers per window. ACM sheet frgament packers present to all window surrounds present in B00A.		
18-Jul-24		GHD	B00A - Library	01	Internal	Flat cement product	Toilets	Toilet stalls	Cubicle panels	Sealed	B00A-A02	Chrysotile & Amosite Detected	Non-friable	Good	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	8	m2			
18-Jul-24		GHD	B00A - Library	01	External	Sealant / Adhesives	Window putty between glass and window frame within upper rectangular windows	South wall - first floor	Putty	Unsealed	B00A-A06	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	13	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00A - Library	01	External	Sealant / Adhesives	Window putty between glass and window frame within upper rectangular windows	North wall - first floor	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	16	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00A - Library	01	External	Sealant / Adhesives	All windows to skylight on roof	Southern aspect	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	20	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00A - Movement	01	External	Flat cement product	Ceiling linings to walkway to western aspect of B00A	Ceiling linings thoughout walkway areas including B00A entryway	Lining	Sealed	Refer to B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	75	m2			

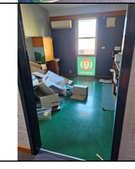
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
No Asbestos Detected																							
18-Jul-24		GHD	B00A - Hall	GF	External	Flat cement product	Panel below windows	Southern and northern walls	Infill panel	Sealed	B00A-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	10	m2			
18-Jul-24		GHD	B00A	Roof	External	Flat cement product	Roof gable end panels	East and west aspects and central skylight	Lining	Sealed	B00A-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	25	m2			
18-Jul-24		GHD	B00A	Roof	External	Flat cement product	Eaves, SE corner	Eaves to all aspects	Lining	Sealed	B00A-A04	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	65	m2			
18-Jul-24		GHD	B00A	01	External	Sealant / Adhesives	South wall, central rectangular window		Putty	Unsealed	B00A-A05	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	5	Item	Central windows of first floor only. Note upper windows assessed seperately and contain asbestos		
18-Jul-24		GHD	B00A - Hall	GF	Internal	Asbestos boards – insulating board in cores & linings	Sound insulation panels	Throughout hall ceiling	Insulation	Sealed	B007-A07	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	45	m2			
18-Jul-24		GHD	B00A - Library	Roof	Internal	Fragments	Loose fibre cement sheet fragments present behind eave lining	Eastern aspect	Lining	Unsealed	B00A-A08	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	<1	m2			
18-Jul-24		GHD	B00A - R1013 Distribution Board	01	Internal	Bitumen products	Electrical room	Metal case to wall	Insulation	Unsealed	Not sampled	N/A	N/A	N/A	N/A	N/A	Not required	N/A	<1	m2	Newer style non-asbestos electrical board observed		
Lead in dust																							
18-Jul-24		GHD	B00A	01	Internal	Debris	Roof space	All aspects	Lead in dust	N/A	B00A-LD01	Calculated 0.8mg/m2 (72 µg lead)	-	Poor	High	-	Removal	N/A	<1	m3	Dust in ceiling place of B00A sampled.		
Non Lead Based Paint System Detected (<0.1% lead w/w)																							
18-Jul-24		GHD	B00A - Hall	GF	Internal	Paint	White paint to toilet stalls	Toilet walls and ceiling	Paint	-	B00A-P04	0.03% w/w Lead paint detected	N/A	N/A	N/A	N/A	N/A	N/A	-	m2			
18-Jul-24		GHD	B00A	01	Internal	Paint	Aqua paint to toilet stalls	Toilet walls and door frames	Paint	-	B00A-P05	0.06% w/w Lead paint detected	N/A	N/A	N/A	N/A	N/A	N/A	-	m2			

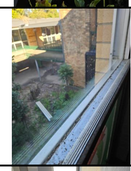
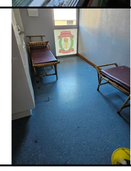
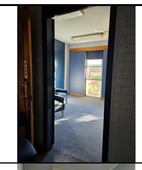
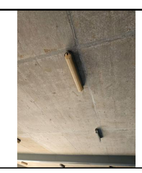
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
18-Jul-24		GHD	B00A - Hall	GF	Internal	Paint	Black paint to walls	Columns	Paint	-	B00A-P01	<0.01% w/w	N/A	N/A	N/A	N/A	N/A	N/A	-	m2			
18-Jul-24		GHD	B00A - Hall	GF	Internal	Paint	Aqua paint to eastern walls	NA	Paint	-	B00A-P02	<0.01% w/w	N/A	N/A	N/A	N/A	N/A	N/A	-	m2			
18-Jul-24		GHD	B00A - Hall	GF	Internal	Paint	Blue paint to infill panels on northern wall	Infill panels to southern wall	Paint	-	B00A-P03	<0.01% w/w	N/A	N/A	N/A	N/A	N/A	N/A	-	m2			
PCB Capacitors																							
18-Jul-24		GHD	B00A	GF	Internal	Lighting Capacitors	Lighting throughout B00A	Light fittings	Capacitors	Sealed	Not sampled	Assmued positive	N/A	Poor	High	Very high	Removal	-	20	Item			
Synthetic Mineral Fibre Detected																							
18-Jul-24		GHD	B00A - Hall	GF	Internal	Thermal insulation	Male toilets	Hot water heater	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	1	Item	Hot water system		
18-Jul-24		GHD	B00A	01	External	Thermal insulation	Air conditioning units	Southern wall and northern wall	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	3	Item	Air-conditioning units throughout B00A		
Inaccessible Areas																							
Inside brick wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

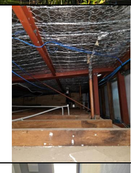
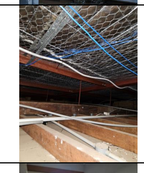
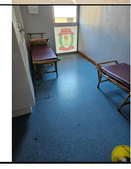
Hazardous Materials Register

Site Location: Lismore South PS - B00B - Administration/ Pupil Facilities

Inspection Date: 18/07/2024

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00B - Administration/ Pupil Facilities - Built 1978 - Brick/Block construction																				
Asbestos material detected																							
18-Jul-24		GHD	B00B - Administration	GF	External	Sealant / Adhesives	Window putty between glass and window frame within rectangular windows	Student toilets - south and north wall	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	14	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00B - Administration	01	External	Sealant / Adhesives	Window putty between glass and window frame within rectangular windows	Staff toilets - south wall	Putty	Unsealed	Refer to B00A-A06	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	4	Item	Quantity estimate based on number of individual windows.		
18-Jul-24		GHD	B00B - Administration	GF	External	Flat cement product	Window surrounds	Flat cement sheet packers present above and below external window frames thoughout ground and first floors of building B00B	Packers	Unsealed	refer to B00F-A04	Chrysotile & Amosite Detected	Non-friable	Fair	High	Very high	Removal	Not required	32	Item	Quantity estimate based on presence of packers per window. ACM sheet frgament packers present to all window surrounds present in B00B.		
18-Jul-24		GHD	B00B - Toilet Block	GF	Internal	Flat cement product	Female toilet stalls	Cubicle lining	Panels	Sealed	B00B-A01	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	20	m2			
18-Jul-24		GHD	B00B - Toilet Block	GF	Internal	Flat cement product	Male toilet stalls	Cubicle lining	Panels	Sealed	Refer to B00B-A01	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	20	m2			
18-Jul-24		GHD	B00B - Storeroom	01	Internal	Floor tiles	Green vinyl floor tiles - General storeroom	Floor	Lining	Sealed	B00B-A02	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	15	m2			
18-Jul-24		GHD	B00B - Photocopy room	01	Internal	Floor tiles	Green vinyl floor tiles - photocopy room	Floor	Lining	Sealed	Refer to B00B-A02	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	12	m2			

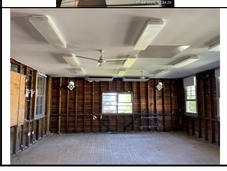
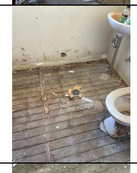
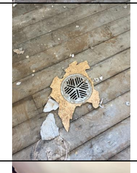
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
No Asbestos Detected																							
18-Jul-24		GHD	B00B - Administration	Roof	External	Flat cement product	Roof gable end panels	East and west aspects and central skylight	Lining	Sealed	Refer to B00A-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	25	m2			
18-Jul-24		GHD	B00B - Administration	Roof	External	Flat cement product	Eaves	Eaves to north and south aspects	Lining	Sealed	Refer to B00A-A04	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	65	m2			
18-Jul-24		GHD	B00B - Administration	01	Internal	Sealant / Adhesives	Windows	Northern and southern walls	Putty	Unsealed	B00B-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00B - Administration	01	Internal	Floor sheeting	Blue speckled vinyl flooring sick bay	Floor	Floor covering	Sealed	B00B-A04	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in dust																							
18-Jul-24		GHD	B00B	Roof	Internal	Debris	Roof space	Throughout ceiling space	Lead paint dust	-	B00B-LD01	Calculated 2.34mg/m2 (210 µg lead)	N/A	Poor	High	-	Removal	N/A	<1	m2	Dust in B00B ceiling space sampled		
No Lead Based Paint System Detected (<0.1% w/w)																							
18-Jul-24		GHD	B00B - Toilets	GF	Internal	-	Toilet stalls	1st floor walls, doors and door frames	Paint	-	B00B-P01	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	20	m2			
18-Jul-24		GHD	B00B - General areas	01	Internal	-	Walls	All aspects	Paint	-	B00B-P02	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	250	m2			
PCB Capacitors																							
18-Jul-24		GHD	B00B - Administration	GF	External	Capacitors	Walkway cover (underside of slabs)	Throughout	Fluorescent lights	-	Assumed	Presumed to contain PCB until proven otherwise	-	Good	High	Very high	Removal	N/A	14	Item			

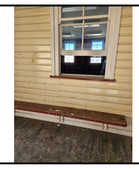
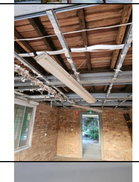
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Synthetic Mineral Fibre Detected																							
18-Jul-24		GHD	B00B - Administration	01	External	Thermal insulation	Southern wall	Air conditioners	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	Non-friable	Good	High	Very high	Removal	Not required	8	Item			
18-Jul-24		GHD	B00B - Administation	Roof	Internal	Thermal insulation	Roof cavity	Throughout	Foil covered insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	Non-friable	Good	High	Very high	Removal	Not required	65	m2			
18-Jul-24		GHD	B00B - Sick Bay	01	Internal	Floor sheeting	Floors	Throughout	Lining	Sealed	B00B-A04	SMF Detected	Non-friable	Good	High	Very high	Removal	Not required	8	m2			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

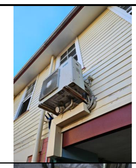
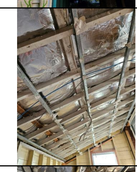
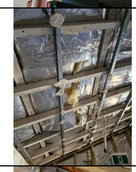
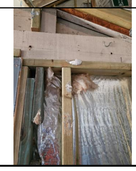
Hazardous Materials Register

Site Location: Lismore South PS - B00C - General Learning

Inspection Date: 17-Jul-24

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00C - General Learning - Built 1977 - Timber construction																				
Asbestos material detected																							
17-Jul-24		GHD	B00C - Movement	01	External	Flat cement product	Walkway to northern aspect of B00C	Ceiling lining	Lining	Sealed	B00C-A02	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	35	m2			
17-Jul-24		GHD	B00C	Roof	External	Flat cement product	Eaves	All aspects of B00C	Lining	Sealed	B00C-A06	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	55	m2			
18-Jul-24		GHD	B00C	01	Internal	Debris	Dust main classroom	Floor	Dust	Unsealed	B00C-AD01	Chrysotile Detected	Friable	Poor	High	Very high	Removal	N/A	<1	m3	Chrysotile asbestos detected as loose fibres in dust to floor - Recommend access restricted as soon as practicable		
No asbestos material detected																							
17-Jul-24		GHD	B00C	GF	Internal	Flat cement product	Ceiling	Throughout ground floor	Ceiling lining	Sealed	B00C-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	125	-			
17-Jul-24		GHD	B00C - Toilet	01	Internal	Flat cement product	Fragments to floor	Toilet	Debris	Unsealed	B00C-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	<1	m2			
17-Jul-24		GHD	B00C - Toilet	01	Internal	Floor tiles	Residual vinyl flooring to floor	Toilet	Floor covering	Sealed	B00C-A04	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	<1	m2			
17-Jul-24		GHD	B00C - Toilet	01	Internal	Flat cement product	Walls	Western bathroom wall	Lining	Unsealed	B00C-A05	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00C	01	Internal	Debris	Dust on floor - small room to west	Floor	Debris	Unsealed	B00C-AD02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			

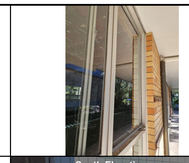
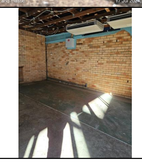
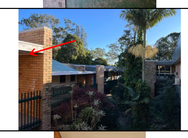
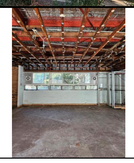
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Lead in dust																							
17-Jul-24		GHD	B00C	01	Internal	Paint	Floors	Throughout internal areas of B00C	Dust	-	B00C-LD01	Calculated 17.80mg/m2 (1600 µg lead)	N/A	Poor	High	-	Removal	N/A	<1	m3			
Lead Based Paint System Detected (>0.1% w/w)																							
17-Jul-24		GHD	B00C	GF	External	Paint	Window frames - white paint	All aspects	Coating	-	B00C-P03	0.11% w/w Lead paint detected	N/A	Good	High	Very high	Removal	N/A	20	m2			
Non Lead Based Paint System Detected (<0.1% w/w)																							
17-Jul-24		GHD	B00C	GF	External	Paint	Balcony bench = brown paint	Window frame - lower portion	Coating	-	B00C-P04	0.03% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	5	m2			
17-Jul-24		GHD	B00C	GF	External	Paint	Door frames - grey paint	All doorways in B00C	Coating	-	B00C-P02	0.09% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	10	m2			
17-Jul-24		GHD	B00C	GF	External	Paint	Walls	All aspects	Coating	-	B00C-P01	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	45	m2			
PCB Capacitors																							
17-Jul-24		GHD	B00C - Undercroft	GF	External	Capacitors	Ceiling	All aspect	Fluorescent light	-	Assumed	Presumed to contain PCB until proven otherwise	-	-	High	Very high	Removal	Not required	16	Item			
17-Jul-24		GHD	B00C - Storage	GF	Internal	Capacitors	Storage room	All aspect	Fluorescent light	-	Assumed	Presumed to contain PCB until proven otherwise	-	-	High	Very high	Removal	Not required	2	Item			
17-Jul-24		GHD	B00C - Balcony	01	External	Capacitors	Balcony	All aspect	Fluorescent light	-	Assumed	Presumed to contain PCB until proven otherwise	-	-	High	Very high	Removal	Not required	1	Item			

Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Synthetic Mineral Fibre Detected																							
17-Jul-24		GHD	B00C	01	External	Thermal insulation	Southern wall	Air conditioning units	Insulation	Unsealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	1	Item			
17-Jul-24		GHD	B00C	01	Internal	Thermal insulation	Underside of roof/ceiling	Foil backed insulation	Insulation	Unsealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Poor	High	Very high	Removal	Not required	190	m2			
17-Jul-24		GHD	B00C	01	Internal	Thermal insulation	Walls	All aspects	Insulation	Unsealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Poor	High	Very high	Removal	Not required	45	m2			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

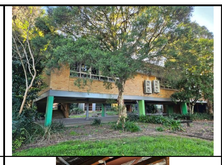
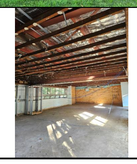
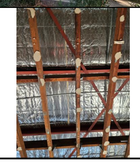
Hazardous Materials Register

Site Location: Lismore South PS - B00D - General Learning

Inspection Date: 17-Jul-24

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00D - General Learning - Built 1978 - Brick/Block construction																				
Asbestos material detected																							
17-Jul-24		GHD	B00D - Classrooms (room reference R1003, R1006, R1007)	01	External	Sealant / Adhesives	Window putty beetween glass and frame within windows to classrooms	Window to northern and southern aspects of B00D	Window putty	Unsealed	B00D-A01	Chrysotile Detected	Non-friable	Poor	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	6	Item	Quantity estimate based on per window. Positive asbestos indentification applicable to all windows present in B00D		
17-Jul-24		GHD	B00D - Classrooms (room reference R1003, R1006, R1007)	01	External	Flat cement product	Window to northern and southern aspects of B00D	All aspect	Lining	Unsealed	B00D-A04	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Not required	6	Item	Quantity estimate based on presence of packers per window. ACM sheet frgament packers present to all window surrounds present in B00D.		
17-Jul-24		GHD	B00D - Classrooms (room reference R1003, R1006, R1007)	01	Internal	Floor tiles	Green vinyl floor tile to classroom floors	Throughout	Lining	Sealed	B00D-A02	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	18	m2	Green vinyl floor tiles to all classrooms within B00D		
17-Jul-24		GHD	B00D - R0002 - Stairs	GF	Internal	Flat cement product	Ceiling linings to stairway north east	All aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	10	m2			
17-Jul-24		GHD	B00D - R1001 - Movement	01	Internal	Flat cement product	Ceiling linings to walkway northern aspect of B00D	Northern aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	67	m2			
17-Jul-24		GHD	B00D - R1009 - Stairs	01	Internal	Flat cement product	Ceiling Structures/Linings to stairway to north west.	All aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	5	m2			
No Asbestos Detected																							
17-Jul-24		GHD	B00D - - Classooms	Roof	External	Flat cement product	Roof gable panels	All aspects	Lining	Sealed	Refer to B00F-A02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00D - Classooms	Roof	External	Flat cement product	Eaves	All aspects	Lining	Sealed	Refer to B00F-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00D - Classrooms	01	Internal	Debris	Residual carpet underlay and mastic to floors	All B00D classrooms	Lining	Unsealed	B00D-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			

Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
17-Jul-24		GHD	B00D - Classrooms	01	Internal	Debris	Dust to floor within B00D classroom.	All aspects	Debris	Unsealed	B00D-AD01	No asbestos detected at the reporting limit of 0.01% w/w.	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00D - R1002 - Distribution Board	01	Internal	Thermal insulation	Distribution board room ref R1002	Electrical board within cabinet	Insulation	Sealed	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	-	Newer style non asbestos electrical board observed		
Lead in Dust																							
17-Jul-24		GHD	B00D	GF	Internal	Paint	Floor	All aspects	Lead paint dust	-	B00D-LD01	Calculated 1.22mg/m2 (110 µg lead)	N/A	Poor	High	-	Removal	Not required	<1	m3	Calculated lead in dust - 1.22 mg/m2		
Non Lead Based Paint System Detected (<0.1% w/w)																							
17/724		GHD	B00D - Undercroft	GF	External	Paint	Columns	All aspects	Coating	-	B00D-P03	0.03% w/w Lead paint detected	N/A	Fair	High	Very high	Removal	Not required		m2			
17/724		GHD	B00D - Undercroft	GF	External	Paint	Columns	All aspects	Coating	-	B00D-P01	<0.01% w/w No lead paint detected	N/A	Fair	High	Very high	Removal	Not required		m2			
17/724		GHD	B00D - Undercroft	GF	External	Paint	Columns	All aspects	Coating	-	B00D-P02	<0.01% w/w No lead paint detected	N/A	Fair	High	Very high	Removal	Not required		m2			
17/724		GHD	B00D - Undercroft	GF	External	Paint	Steel columns	All aspects	Coating	-	B00D-P04	<0.01% w/w No lead paint detected	N/A	Fair	High	Very high	Removal	Not required		m2			
PCB Capacitors																							
17/724		GHD	B00D - General Learning	GF	External	Capacitors	Walkways	Fixed to ceiling	Fluorescent lights	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	4	Item			

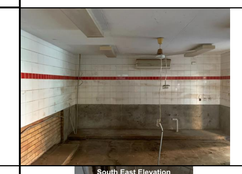
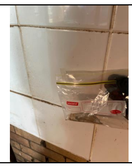
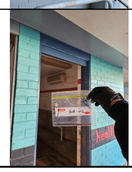
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Synthetic Mineral Fibre Detected																							
17/724		GHD	B00D - General Learning	01	External	Thermal insulation	Southern wall	Air conditioning units	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	3	Item			
17/724		GHD	B00D - Classrooms	Roof	Internal	Thermal insulation	Roof cavity	All aspects	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	67	m2			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

Hazardous Materials Register

Site Location: Lismore South PS - B00E - General Learning/Pupil Facilities

Inspection Date: 17-Jul-24

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00E - General Learning/Pupil Facilities - Built 1978 - Brick/Block construction																				
Asbestos material detected																							
17-Jul-24		GHD	B00D - Classrooms (room reference R1003, R1004)	01	External	Sealant / Adhesives	Window putty between glass and frame within windows to classrooms	Window to eastern and western aspects of B00E	Window putty	Unsealed	Refer to B00D-A01	Chrysotile Detected	Non-friable	Poor	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	4	Item	Quantity estimate based on per window. Positive asbestos indentification applicable to all windows present in B00D		
17-Jul-24		GHD	B00D - Classrooms (room reference R1003, R1004)	01	External	Flat cement product	Window to northern and southern aspects of B00E	Window to eastern and western aspects of B00E	Lining	Unsealed	Refer to B00D-A04	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Not required	4	Item	Quantity estimate based on presence of packers per window. ACM sheet frgament packers present to all window surrounds present in B00D.		
17-Jul-24		GHD	B00E - Canteen	GF	Internal	Flat cement product	Toilet stalls	Cubicle partitions	Partitions	Sealed	Refer to B00B-A01	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Not required	5	m2			
17-Jul-24		GHD	B00E - R0006 - Stairs	GF	External	Flat cement product	Ceiling Structures/Linings to stairway to south aspect of B00E	All aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Not required	6	m2			
17-Jul-24		GHD	B00E - R1001 - Movement	01	External	Flat cement product	Ceiling Structures/Linings to walkway to eastern aspect of B00E	All aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Not required	43	m2			
17-Jul-24		GHD	B00E - R1003 - Practical Activities	01	Internal	Floor tiles	Vinyl floor tiles to part of floor in room R1003	-	Lining	Sealed	Refer to B00D-A02	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Not required	19	m2			
17-Jul-24		GHD	B00E - R1004 - Practical Activities	01	Internal	Floor tiles	Vinyl floor tiles to part of floor in room R1004	All aspect	Lining	Sealed	Refer to B00D-A02	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Not required	19	m2			
17-Jul-24		GHD	B00E - R1006 - Stairs	01	External	Flat cement product	Ceiling Structures/Linings to stairway to north aspect of B00E	All aspect	Lining	Sealed	Refer to B00H-A06	Chrysotile Detected	Non-friable	Good	High	Very high	Removal	Not required	11	m2			

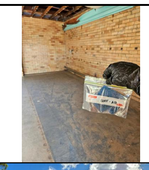
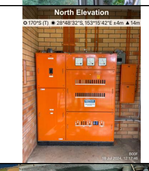
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00E - General Learning/Pupil Facilities - Built 1978 - Brick/Block construction																				
No Asbestos Detected																							
18-Jul-24		GHD	B00F - Classooms	Roof	External	Flat cement product	Roof gable panels	All aspects	Lining	Sealed	Refer to B00F-A02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00F - Classooms	Roof	External	Flat cement product	Eaves	All aspects	Lining	Sealed	Refer to B00F-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00E - Canteen	GF	Internal	Flat cement product	Walls	Behind tiles	Lining	Unsealed	B00E - A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00E - Canteen	GF	Internal	Floor tiles	Floor Coverings Res/Textile	All aspect	Lining	Sealed	B00E - A02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in Dust																							
18-Jul-24		GHD	B00E	Roof	Internal	Paint	Roof space	All aspects	Lead in dust	-	B00E-LD01	Calculated 1.22mg/m2 (0.05 µg lead)	N/A	Poor	High	-	Removal	N/A	<1	m3			
Non Lead Based Paint System Detected																							
17-Jul-24		GHD	B00E - Canteen	GF	External	Paint	Southern wall	Eastern wall	Coating	-	B00E - P01	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	Not required	-	-			
17-Jul-24		GHD	B00E - Canteen	GF	External	Paint	Walls	Columns	Coating	-	B00E - P02	0.05% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00E - Canteen	GF	External	Paint	Canteen door frames	All aspect	Coating	-	B00E - P03	0.02% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
PCB Capacitors																							
17-Jul-24		GHD	B00H - Canteen	GF	External	Capacitors	Western wall	Fluorescent light fitting	Insulation	-	Assumed	Presumed to contain PCB until proven otherwise	-	Good	High	Very high	Removal		1	Item			

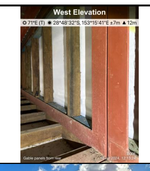
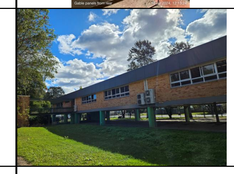
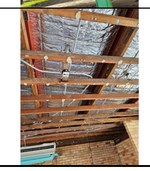
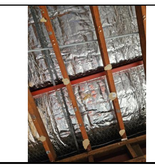
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00E - General Learning/Pupil Facilities - Built 1978 - Brick/Block construction																				
Synthetic Mineral Fibre Detected																							
17-Jul-24		GHD	B00H - Canteen	GF	External	Thermal insulation	Southern wall	Air condtioning unit	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	1	Item			
17-Jul-24		GHD	B00H - Canteen	GF	External	Thermal insulation	Store room	Hot water heater	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	1	Item			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

Hazardous Materials Register

Site Location: Lismore South PS - B00F - General Learning

Inspection Date: 18-Jul-24

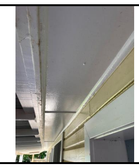
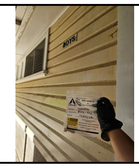
Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00F - General Learning - Built 1978 - Brick and cement slab construction.																				
Asbestos material detected																							
18-Jul-24		GHD	B00F - Classooms (R1003, R1005, R1006, R1009, R1010 and R1013)	01	Internal	Floor tiles	Classrooms	Blue vinyl tiles to floor	Floor covering	Sealed	B00F-A01	Chrysotile Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	19	m2	Blue vinyl floor tiles to 4 classrooms within B00F		
18-Jul-24		GHD	B00F - Classooms	01	External	Sealant / Adhesives	Window putty between glass and frame within windows to classrooms	Window to northern and southern aspects of B00F	Window putty	Unsealed	Refer to B00D-A01	Chrysotile Detected	Non-friable	Poor	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	11	Item	Quantity estimate based on per window. Positive asbestos indentification applicable to all windows present in B00F		
18-Jul-24		GHD	B00F - Classooms	01	External	Flat cement product	Window surrounds	Flat cement sheet packers present above and below window frames thoughout building B00F	Packers	Unsealed	B00F-A04	Chrysotile & Amosite Detected	Non-friable	Poor	High	Very high	Removal	Not required	11	Item	Quantity estimate based on presence of packers per window. ACM sheet frgament packers present to all window surrounds present in B00D.		
18-Jul-24		GHD	B00F - Classooms	01	Internal	Asbestos boards – insulating board in cores & linings	Distribution boards	Level 1 distribution board cupboard	Backing board	Unsealed	B00F-A05	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	2	m2			
18-Jul-24		GHD	B00F - Classooms	GF	Internal	Asbestos boards – insulating board in cores & linings	Distribution boards	Ground floor electrical room	Backing board within cabinet	Unsealed	refer to B00F-A05	Chrysotile Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	2	m2			
18-Jul-24		GHD	B00F - Movement	01	External	Flat cement product	Walkway ceiling lining	Sheet to ceiling	Lining	Sealed	Refer to Movement 6-A01	Chrysotile & Amosite Detected	Non-friable	Good	High	Very high	Removal	Labels required (not affixed or not sufficient)	120	m2			
18-Jul-24		GHD	B00F - Movement	01	External	Flat cement product	Awning lining	Sheet to B00F western stairway	Lining	Sealed	Movement 6-A01	Chrysotile & Amosite Detected	Non-friable	Poor	High	Very high	Removal	Labels required (not affixed or not sufficient)	15	m2			
18-Jul-24		GHD	B00F - Movement	01	External	Flat cement product	Awning lining	Sheet to B00F eastern stairway	Lining	Sealed	Refer to Movement 6-A01	Chrysotile & Amosite Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	15	m2			

Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
No Asbestos Detected																							
18-Jul-24		GHD	B00F - Classooms	Roof	External	Flat cement product	Gable panels, east side	All aspect	Lining	Sealed	B00F-A02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00F - Classooms	Roof	External	Flat cement product	Eaves	All aspect	Lining	Sealed	B00F-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00F - Classooms	01	Internal	Debris	Dust to floor	Throughout classroom floors	Debris	Unsealed	B00F-AD01	No asbestos detected at the reporting limit of 0.01% w/w.	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00F - Movement	01	External	Sealant / Adhesives	Expansion joint compound	Throughout all movement areas	Putty material / insulation	Sealed	Movement 5-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in dust																							
18-Jul-24		GHD	B00F	01	Internal	Debris	Floor	Throughout	Lead in dust	Unsealed	B00F-LD01	Calculated 0.61mg/m2 (55 µg Lead)	N/A	Poor	High	-	Removal	N/A					
PCB Capacitors																							
18-Jul-24		GHD	B00F - General Learning	GF	External	Capacitors	Fixed to ceiling	Walkways	Fluorescent lights	Sealed	Assumed	Presumed to contain PCB until proven otherwise	N/A	Good	High	Very high	Removal	N/A	12	Item			
Synthetic Mineral Fibre Detected																							
17/724		GHD	B00F - General Learning	01	External	Thermal insulation	Southern wall	Air conditioning units	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	Not required	4	Item			
18-Jul-24		GHD	B00F - Classrooms	01	Internal	Thermal insulation	Ceiling	Fixed to underside of roof throughout B00F	Foil backed insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	130	m2			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

Hazardous Materials Register

Site Location: Lismore South PS - B00G - Pupil Facilities

Inspection Date: 17-Jul-24

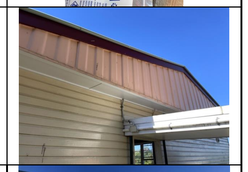
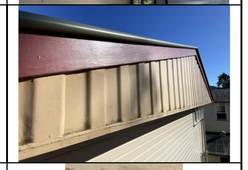
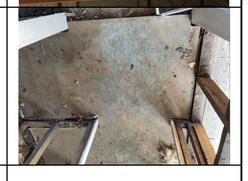
Consultant			Location / Description										Risk Assessment									
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00G - Pupil Facilities - 1955 - Timber																			
Asbestos material detected																						
17-Jul-24		GHD	B00G - Toilet Block	GF	External	Flat cement product	Eaves	All aspects	Lining	Sealed	B00G-A02	Chrysotile & Amosite Detected	Non-friable	Good	High	High	Removal	Not required	12	m2			
No Asbestos Detected																						
17-Jul-24		GHD	B00G - Toilet Block	GF	Internal	Flat cement product	Toilet walls	Internal wall and ceiling linings	Lining	Sealed	B00G-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead Based Paint System Detected																						
17-Jul-24		GHD	B00G	GF	External	-	Cream paint to external walls	All aspect	Paint	-	B00G-P02	0.13% w/w Lead paint detected	N/A	Good	High	High	Removal	N/A	120	m2			
Non Lead Based Paint System Detected																						
17-Jul-24		GHD	B00G	GF	External	-	Columns	All aspects	Paint	-	B00G-P01	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00G	GF	External	-	Door frames	All aspect	Paint	-	B00G-P03	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00G	GF	Internal	-	Walls	All aspects	Paint	-	B00G-P04	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00G	GF	Internal	-	Ceiling	All aspects	Paint	-	B00G-P05	<0.01% w/w	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in dust																						
18-Jul-24		GHD	B00G	GF	Internal	Debris	Floor of boys toilet	Throughout	Lead in dust	-	B00G-LD01	Calculated 0.39mg/m2 (35 µg lead)	N/A	Poor	High	High	Removal	N/A	<1	m2			

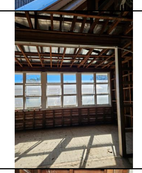
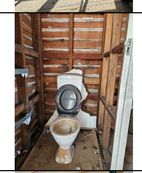
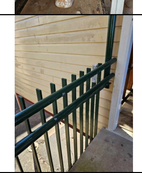
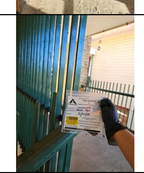
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
PCB Capacitors																							
17-Jul-24		GHD	B00G-Toilet Block	GF	External	Capacitors	Awning	Fixed to roof timbers	Fluorescent lights	Sealed	Assumed	Presumed to contain PCB until proven otherwise	N/A	Good	High	High	Removal	Not required	3	Item			
17-Jul-24		GHD	B00G-Toilet Block	GF	Internal	Capacitors	Toilets	Fixed to ceiling	Fluorescent lights	Sealed	Assumed	Presumed to contain PCB until proven otherwise	N/A	Good	High	High	Removal	Not required	3	Item	1x for each bathroom		
Synthetic Mineral Fibre Detected																							
17-Jul-24		GHD	B00G-Toilet Block	GF	Internal	Thermal insulation	Disabled toilet	Hot water heater	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	High	Removal	Not required	1	Item			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

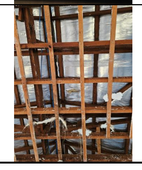
Hazardous Materials Register

Site Location: Lismore South PS - B00H - General Learning

Inspection Date: 17-Jul-24

Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00H - General Learning - 1977 - Timber framed building																				
Asbestos material detected																							
17-Jul-24		GHD	B00H - Toilet	01	Internal	Debris	Behind sink	Fragments on floors	Debris	Unsealed	B00H-A02	Chrysotile Detected	Non-friable	Poor	Very high	Very high	Removal	Not required	1	m2			
17-Jul-24		GHD	B00H	01	External	Flat cement product	Ceiling to entryway	Walkway/movement area ceiling	Lining	Sealed	B00H-A06	Chrysotile & Amosite Detected	Non-friable	Fair	High	Very high	Removal	Labels required (not affixed or not sufficient)	12	m2			
17-Jul-24		GHD	B00H - General Learning	Roof	External	Flat cement product	Gable ends	All aspects	Lining	Sealed	B00H-A07	Chrysotile & Amosite Detected	Non-friable	Fair	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	20	m2			
17-Jul-24		GHD	B00H - General Learning	Roof	External	Flat cement product	Eaves	All aspects	Lining	Sealed	B00H-A08	Chrysotile & Amosite Detected	Non-friable	Fair	Very high	Very high	Removal	Labels required (not affixed or not sufficient)	40	m2			
No Asbestos Detected																							
17-Jul-24		GHD	B00H - General Learning	GF	External	Flat cement product	Ceiling to ground floor open area	Throughout ground floor	Lining	Sealed	B00H-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00H	01	Internal	Floor tiles	Vinyl floor tiles to bathroom floor	Bathroom and toilet floor	Floor covering	Sealed	B00H-A03	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00H - Toilet	01	Internal	Sealant / Adhesives	Beneath vinyl flooring	Bathroom and toilet floor	Floor covering	Sealed	B00H-A04	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
17-Jul-24		GHD	B00H - Classroom	01	Internal	Sealant / Adhesives	Windows	Window frames	Putty	Unsealed	B00H-A05	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			

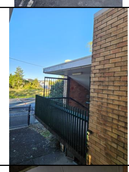
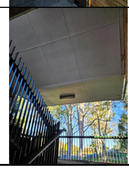
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
18-Jul-24		GHD	B00H - General Learning	01	Internal	Debris	Dust to floor of B00H internal areas	Internal floor	Dust	Unsealed	B00H-AD01	No asbestos detected at the reporting limit of 0.01% w/w.	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in dust																							
18-Jul-24		GHD	B00H	GF	Internal	-	Floor	All aspects	Lead paint dust		B00H-LD01	Calculated 5.45mg/m2 (490 µg)	N/A	Poor	High	-	Removal	N/A	<1	m3	Dust to floor in south east corner		
18-Jul-24		GHD	B00H	GF	Internal	-	Window sill	All aspects	Lead paint dust		B00H-LD02	Calculated 2.89mg/m2 (260 µg)	N/A	Poor	High	-	Removal	N/A	<1	m3	Dust to window sills		
Lead Based Paint System Detected																							
17-Jul-24		GHD	B00H	01	External	-	Cream paint to external weatherboard	All aspects	Paint	-	B00H-P01	0.19% w/w Lead paint detected	N/A	Good	High	Very high	Removal	N/A	130	m2			
Non Lead Based Paint System Detected																							
17-Jul-24		GHD	B00H	01	Internal	-	Window frames	All aspects	Paint	-	B00H-P02	0.05% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	N/A			
17-Jul-24		GHD	B00H	01	Internal	-	Door frames	All aspects	Paint	-	B00H-P03	0.06% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	N/A			
17-Jul-24		GHD	B00H	01	Internal	-	Walls	All aspects	Paint	-	B00H-P04	0.06% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	N/A			
17-Jul-24		GHD	B00H	01	External	-	Railings	All aspects	Paint	-	B00H-P05	0.03% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	N/A			
17-Jul-24		GHD	B00H	GF	External	-	Columns	Beams	Paint	-	B00H-P06	0.02% w/w Lead paint detected	N/A	N/A	N/A	N/A	Not required	N/A	-	N/A			

Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
PCB Capacitors																							
17-Jul-24		GHD	B00H - General Learning	GF	External	Capacitors	Ceiling	Fixed to ceiling	Fluorescent lights	Sealed	Assumed	Presumed to contain PCB until proven otherwise	N/A	Good	High	Very high	Removal	N/A	3	Item			
Synthetic Mineral Fibre Detected																							
17-Jul-24		GHD	B00H - General Learning	GF	External	Thermal insulation	Northern wall	Air conditioning unit	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	1	Item			
17-Jul-24		GHD	B00H - Classrooms	Roof	Internal	Thermal insulation	Roof cavity	Fixed to underside of roof	Foil backed insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	150	m2			
Inaccessible Areas																							
Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition. Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.																							

Hazardous Materials Register

Site Location: Lismore South PS - B00I - Building Services

Inspection Date: 17-Jul-24

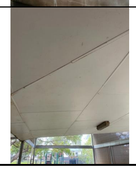
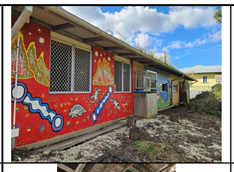
Consultant			Location / Description										Risk Assessment										
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00I - Building Services - Built 1978 - Brick/Block construction																				
Asbestos material detected																							
17-Jul-24		GHD	B00I - R0002 - Stairs	GF	Internal	Flat cement product	Stairway ceiling Structures/Linings	-	Lining	Sealed	Refer B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	High	Removal	Labels required (not affixed or not sufficient)	12	m2			
17-Jul-24		GHD	B00I - R1001 - Movement	01	Internal	Flat cement product	Walkway Ceiling Structures/Linings	All aspect	Lining	Sealed	Refer B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	High	Removal	Labels required (not affixed or not sufficient)	50	m2			
17-Jul-24		GHD	B00I - R1002 - Stairs	01	Internal	Flat cement product	Ceiling Structures/Linings	All aspect	Lining	Sealed	Refer B00H-A06	Chrysotile & Amosite Detected	Non-friable	Good	High	High	Removal	Labels required (not affixed or not sufficient)	5	m2			
No Lead Based Paint System Detected																							
PCB Capacitors detected																							
18-Jul-24		GHD	Movement 01	GF	External	Capacitors	Movement 01	Fixed to ceiling	Fluorescent lights	Sealed	Assumed	Presumed to contain PCB until proven otherwise	N/A	Good	High	High	Removal	N/A	6	Item	3x GF 3x First Floor		
No Synthetic Mineral Fibre Detected																							
Inaccessible Areas																							

Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition.
Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.

Hazardous Materials Register

Site Location: Lismore South PS - B00J - Pre-School Facilities

Inspection Date: 18-Jul-24

Consultant			Location / Description										Risk Assessment									
Inspection date	Reinspection Date	Consultant and Surveyor Reference	Building Ref	Floor	Room or Space	Material description	Primary location	Secondary location	Application	Surface treatment	Sample identification	Laboratory results	Friability	Material condition	Likelihood of disturbance	Risk	Control method	Labelling	Estimated quantity	Units	Comments	Photograph reference	Photograph reference
Building Description			Building B00J - Pre-School Facilities - Built 2004 - Brick/Veneer external walls. Steel internal structure. Internal linings removed.																			
No Asbestos Detected																						
18-Jul-24		GHD	B00J - Toilet	GF	Internal	Flat cement product	Walls	Bathroom	Lining	Sealed	B00J-A01	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
18-Jul-24		GHD	B00J - Pre-school	GF	External	Flat cement product	Ceiling lining	External awning/porch	Lining	Sealed	B00J-A02	No Asbestos Fibres Detected	N/A	N/A	N/A	N/A	Not required	N/A	-	-			
Lead in dust																						
18-Jul-24		GHD	B00J	GF	Internal	Debris	Dust to floor	Throughout B00J	Dust	Unsealed	B00J-LD01	Calculated 0.4mg/m2 (36 µg lead)	N/A	Poor	High	-	Removal	N/A	<1	m3			
No PCB Capacitors observed																						
Synthetic Mineral Fibre Detected																						
18-Jul-24		GHD	B00J - Pre-school	GF	External	Thermal insulation	Southern wall	Air conditioning unit	Insulation	Sealed	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	1	Item			
18-Jul-24		GHD	B00J	GF	Internal	Thermal insulation	Ceiling	Throughout ceiling space	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	150	m2			
18-Jul-24		GHD	B00J	Roof	Internal	Thermal insulation	Walls	Throughout all external facing walls	Insulation	-	Assumed	Presumed to contain SMF until proven otherwise	N/A	Good	High	Very high	Removal	N/A	150	m2			
Inaccessible Areas																						

Inside set ceilings or wall cavities, subfloor spaces, surface areas with high vegetation density, air conditioning ducts, height restricted areas, areas accessible only by dismantling equipment, voids or internal areas of plant/appliances or totally inaccessible areas concealed within the building structure and only accessible during demolition.
Inaccessible areas identified during the HBM assessment should be investigated prior to refurbishment/demolition works commencing to confirm the presence (or otherwise) of HBM materials.

Appendix B

Laboratory Reports

VOLUME AIR MEASUREMENT CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing - ABN: 50 005 085 521 | Eurofins | ARL - ABN: 91 05 0159 898

☐ Sydney Laboratory — Unit F3 Bld.F, 16 Mars Rd, Lane Cove West, NSW 2066 — 02 9900 8400 — EnviroSampleNSW@eurofins.com

☐ Brisbane Laboratory — Unit 1, 21 Smallwood Pl, Murarrie, QLD 4172 — 07 3902 4600 — EnviroSampleQLD@eurofins.com

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

☐ Perth Laboratory — 46-48 Banksia Road, Welshpool WA 6106 — 08 6253 4444 — EnviroSampleWA@eurofins.com

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	Newcastle	Project Name	Lismore Public School hazmat	Eurofins Quote Number	GHD national contract
Contact Number	419211613				
Sampler Name	Oliver Hoschke				
Site Conditions / Observations	Fine/Clear				
Timepiece ID	NA				
Flowmeter ID	GHDR01				

CoC Submitted (date & sign): ___:___ ___/___/___

Primary Email for Results: oliver.hoschke@ghd.com

Secondary Email for Results:

№	Client Sample ID (or Location)	Date (dd/mm/yy)	Pump ID	Analyses (note: SUITE code must be used to attract SUITE pricing) — Asbestos Fibre Count	VOLUME AIR MEASUREMENT RECORD — Start Time (HH:mm)	End Time (HH:mm)	Initial Flow Rate (L/min)	Check Flow Rate (L/min)	Final Flow Rate (L/min)	ΔFlow Rates <10%? (y/n)	Containers — Fibre Count Cowl (25mm, MFM)	Carbon Tube	Dust Cassette	Respirable Membrane	Inhalable Membrane	Hi-Vol Filter	DPM Membrane	Other (please specify in sample notes)	Sample Location (or Barcode) / Comments / Media
1	CW389536	16/07/24	GHD001	X	11:03	16:15	3.00	3.00	3.00	Y	X								
2	CW389539	16/07/24	GHD002	X	11:04	16:16	3.00	3.00	3.00	Y	X								
3	CW390600	16/07/24	GHD003	X	11:05	16:17	3.00	3.00	3.00	Y	X								
4	CW389510	16/07/24	GHD004	X	11:06	16:18	3.00	3.00	3.00	Y	X								
5	CW389514	16/07/24		X							X								Field Blank
6	CW389966	17/7/24	GHD001	X	8:42	16:11	1.50	1.50	1.50	Y	X								
7	CW389519	17/7/24	GHD002	X	8:44	16:12	1.50	1.50	1.50	Y	X								
8	CW389788	17/7/24	GHD003	X	8:45	16:13	1.50	1.50	1.50	Y	X								
9	CW389568	17/7/24	GHD004	X	8:46	16:14	1.50	1.50	1.50	Y	X								
10	CW389554	17/7/24		X							X								Field Blank
			Total Counts	10	8	8	#	#	#	#	10								

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

☐ Same Day / ASAP Report*

☐ 1 Day* ☐ 2 Day*

☐ 3 Day* ☑ 5 Day

* Surcharges apply

☐ Other ( )

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name	Oliver Hoschke	Signature		Date	___/___/___	Time	___:___
Eurofins | Environment Testing Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW | WOL | GEX	Signature		Date	___/___/___	Time	___:___	Temperature	N/A
	Received By	JS	SYD | BNE | MEL | PER | ADL | NTL | DRW | WOL | GEX	Signature		Date	26/07/24	Time	11:20	Report №	112846

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | Environment Testing Standard Terms and Conditions unless agreed otherwise. A copy is available on request.

Eurofins | Environment Testing - ABN: 50 005 085 521 | Eurofins | ARL - ABN: 91 05 0159 898

Sydney Laboratory
Unit F3 Bld F, 16 Mars Rd, Lane Cove West, NSW 2066
02 9900 8400 EnviroSampleNSW@eurofins.com

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

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

Perth Laboratory
46-48 Banksia Road, Welshpool WA 6106
08 6253 4444 EnviroSampleWA@eurofins.com

VOLUME AIR MEASUREMENT CHAIN OF CUSTODY RECORD

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	Newcastle	Project Name	Lismore Public School hazmat	Eurofins Quote Number	GHD national contract
Contact Number	419211613			CoC Submitted (date & sign)	___:___ ___/___/___
Sampler Name	Oliver Hoschke			Primary Email for Results	oliver.hoschke@ghd.com
Site Conditions / Observations	Fine/Sunny			Secondary Email for Results	
Timepieca ID	NA				
Flowmeter ID	GHDR01				

№	Client Sample ID (or Location)	Date (dd/mm/yy)	Pump ID	Analyses (Note: SUITE code must be used to select SUITE pricing) Asbestos Fibre Count	VOLUME AIR MEASUREMENT RECORD Start Time (HH:mm)	End Time (HH:mm)	Initial Flow Rate (L/min)	Check Flow Rate (L/min)	Final Flow Rate (L/min)	ΔFlow Rates <10%? (y/n)	Containers: Fibre Count Cowl (25mm, MFM)	Carbon Tube	Dust Cassette	Respirable Membrane	Inhalable Membrane	Hi-Vol Filter	DPM Membrane	Other (please specify in sample notes)	Sample Location (or Barcode) / Comments / Media
1	CW389588	18/07/24	GHD001	X	7:30	14:44	1.50	1.50	1.50	Y	X								
2	CW389512	18/07/24	GHD002	X	7:32	14:48	1.50	1.50	1.50	Y	X								
3	CW389578	18/07/24	GHD003	X	7:35	14:52	1.50	1.50	1.50	Y	X								
4	CW389624	18/07/24	GHD004	X	7:40	14:55	1.50	1.50	1.50	Y	X								
5	CW389527	18/07/24		X							X								Field Blank
6																			
7																			
8																			
9																			
10																			
			Total Counts	5	4	4	#	#	#	#	5								

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

- ☐ Same Day / ASAP Report*
- ☐ 1 Day* ☐ 2 Day*
- ☐ 3 Day* ☑ 5 Day
- * Surcharges apply
- ☐ Other ( )

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name		Signature		Date	___/___/___	Time	___:___
Eurofins | Environment Testing Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW | WOL | GEX	Signature		Date	___/___/___	Time	___:___	Temperature	N/A
	Received By	2S	SYD | BNE | MEL | PER | ADL | NTL | DRW | WOL | GEX	Signature		Date	26/07/24	Time	11:20	Report №	121846

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | Environment Testing Standard Terms and Conditions unless agreed otherwise. A copy is available on request.

Certificate of Analysis

GHD Pty Ltd
3/24 Honeysuckle Dve
Newcastle
NSW 2300

NATA Accredited
Accreditation Number 1261
Site Number 25079

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:	Oliver Hoschke
Report	1121846-AFC
Project Name	Lismore Public School Hazmat
Project ID	12640941
Received Date	Jul 26, 2024
Date Reported	Jul 30, 2024

METHODOLOGY:

Asbestos Sampling	Sampling as per the National Occupational Health & Safety Commission – Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)] and the NATA Specific Accreditation Criteria, ISO/IEC 17025 Application Document Life Sciences – Annex, Asbestos sampling and testing, Issued: March 2022.
Pump Calibration	Air sampling pump performance has been assessed in accordance with Australian Institute of Occupational Hygiene (AIOH) Technical Paper Air Sampling Pumps: Equipment Calibration Requirements. Pump flow rate measurement equipment (e.g. Field Rotameter) has been calibrated in accordance with AIOH Technical Paper Flow Measurement Equipment: Calibration Requirements.
Asbestos Counting	Fibre counting is conducted in accordance with the National Occupational Health & Safety Commission Guidance Note on the Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition , [NOHSC:3003(2005)] (MFM) and supplementary work instruction in-house LTM-ASB-8010. Unless specifically noted, analysis is undertaken by approved analysts at the base facility. Fibre counts (Fibres/fields) are covered by the facility's NATA scope of accreditation. The requirements of the NATA Specific Accreditation Criteria, ISO/IEC 17025 Application Document Life Sciences – Annex, Asbestos sampling and testing, Issued: March 2022 are realised.

Project Name Lismore Public School Hazmat
Project ID 12640941
Date Sampled Jul 16, 2024 to Jul 18, 2024
Report 1121846-AFC

Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
24-JI0067199	CW389536	GHD001		11:03	16:15	3.0	3.0	0/100	< 0.01
24-JI0067200	CW389539	GHD002		11:04	16:16	3.0	3.0	0/100	< 0.01
24-JI0067201	CW390600	GHD003		11:05	16:17	3.0	3.0	0/100	< 0.01
24-JI0067202	CW389510	GHD004		11:06	16:18	3.0	3.0	0/100	< 0.01
24-JI0067203	CW389514	--	FIELD BLANK	--	--	--	--	0/100	--
24-JI0067204	CW389966	GHD001		8:42	16:11	1.5	1.5	0/100	< 0.01
24-JI0067205	CW389519	GHD002		8:44	16:12	1.5	1.5	0/100	< 0.01
24-JI0067206	CW389788	GHD003		8:45	16:13	1.5	1.5	0/100	< 0.01

Eurofins Sample No.	Client Sample ID	Pump ID	Location	Start (time)	End (time)	Start Flow Rate (L/min)	End Flow Rate (L/min)	Result (Fibres/Fields)	Result (Fibres/mL)
24-JI0067207	CW389568	GHD004		8:46	16:14	1.5	1.5	0/100	< 0.01
24-JI0067208	CW389554	--	FIELD BLANK	--	--	--	--	0/100	--
24-JI0067209	CW389588	GHD001		7:30	14:44	1.5	1.5	0/100	< 0.01
24-JI0067210	CW389512	GHD002		7:32	14:48	1.5	1.5	0/100	< 0.01
24-JI0067211	CW389578	GHD003		7:35	14:52	1.5	1.5	0/100	< 0.01
24-JI0067212	CW389624	GHD004		7:40	14:55	1.5	1.5	0/100	< 0.01
24-JI0067213	CW389527	--	FIELD BLANK	--	--	--	--	0/100	--

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-8010	Newcastle	Jul 26, 2024	Indefinite

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

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NATA# 2377
Site# 2370

Eurofins ProMicro Pty Ltd
ABN: 47 009 120 549

Perth ProMicro
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: Lismore Public School Hazmat
Project ID: 12640941

Order No.:
Report #: 1121846
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Fibre Count & Concentration
Mayfield West Laboratory - NATA # 1261 Site # 25079						X
External Laboratory						
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**	
1	CW389536	Jul 16, 2024		Air	X24-JI0067199	X
2	CW389539	Jul 16, 2024		Air	X24-JI0067200	X
3	CW390600	Jul 16, 2024		Air	X24-JI0067201	X
4	CW389510	Jul 16, 2024		Air	X24-JI0067202	X
5	CW389514	Jul 16, 2024		Air	X24-JI0067203	X
6	CW389966	Jul 17, 2024		Air	X24-JI0067204	X
7	CW389519	Jul 17, 2024		Air	X24-JI0067205	X
8	CW389788	Jul 17, 2024		Air	X24-JI0067206	X
9	CW389568	Jul 17, 2024		Air	X24-JI0067207	X
10	CW389554	Jul 17, 2024		Air	X24-JI0067208	X
11	CW389588	Jul 18, 2024		Air	X24-JI0067209	X
12	CW389512	Jul 18, 2024		Air	X24-JI0067210	X
13	CW389578	Jul 18, 2024		Air	X24-JI0067211	X
14	CW389624	Jul 18, 2024		Air	X24-JI0067212	X

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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ABN: 91 05 0159 898

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NATA# 2377
Site# 2370

Eurofins ProMicro Pty Ltd
ABN: 47 009 120 549

Perth ProMicro
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NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: Lismore Public School Hazmat
Project ID: 12640941

Order No.:
Report #: 1121846
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Fibre Count & Concentration
Mayfield West Laboratory - NATA # 1261 Site # 25079						X
15	CW389527	Jul 18, 2024		Air	X24-JI0067213	X
Test Counts						15

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. 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**). This estimate is not NATA-accredited.
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.
Sampling	Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.
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

Volume Measurement : , GHD Pty Ltd NEWCASTLE, has been trained by Eurofins and they conducted the sampling in accordance with the National Occupational Health & Safety Commission - Guidance Note on The Membrane Filter Method For Estimating Airborne Asbestos Fibres 2nd Edition [NOHSC:3003(2005)]methodology. Sampling pumps used by GHD Pty Ltd NEWCASTLE were calibrated by Eurofins Environment Testing and therefore volume measurements contained in this report are traceable back to Eurofins Environment Testing. Eurofins Environment Testing are responsible for all data contained in this report.

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	N/A
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Anita Weinberg	Senior Analyst-Asbestos

Authorised by:

Bryce Keegan	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

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.

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

☐ **Sydney Laboratory** 179 Magowar Road, Girraween, NSW 2145 +61 2 9900 8400 EnviroSampleNSW@eurofins.com

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☐ **Perth Laboratory** 46-48 Banksia Road, Welshpool, WA 6106 +61 8 6253 4444 EnviroSampleWA@eurofins.com

☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	**Project №**	12640941	**Project Manager**	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	**Project Name**	Lismore South Public School - HAZMAT	**EDD Format** (ESdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

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(

Analyses Where metals are required, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing.

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos ID	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	B00A-A01	18/07/24	S	X								1	
2	B00A-A02	18/7/24	S	X								1	
3	B00A-A03	18/7/24	S	X								1	
4	B00A-A04	18/7/24	S	X								1	
5	B00A-A05	18/7/24	S	X								1	
6	B00A-A06	18/7/24	S	X								1	
7	B00A-A07	18/7/24	S	X								1	
8	B00A-A08	18/7/24	S	X								1	
9	B00B-A01	18/7/24	S	X								1	
10	B00B-A02	18/7/24	S	X								1	
	Total Counts			10								10	

Method of Shipment ☐ Courier (#) ☑ Hand Delivered ☐ Postal | Name | Signature | Date | Time

Laboratory Use Only

Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time	Temperature N/A
Received By	JS	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date	26/07	Time 11:20	Report № 1121860

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

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☐ **Melbourne Laboratory**
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+61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	**Project №**	12640941	**Project Manager**	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	**Project Name**	Lismore South Public School - HAZMAT	**EDD Format** ESdat EDuIS etc	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

Analyses — Where metals are requested, please specify 'Total' or 'Filtered'. SUITE code must be used to extract SUITE analysis.

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 Solid (S) Water (W)	Asbestos ID	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	B00B-A03	18/07/24	S	X									
2	B00B-A04	18/7/24	S	X									
3	B00C-A01	17/7/24	S	X									
4	B00C-A02	17/7/24	S	X									
5	B00C-A03	17/7/24	S	X									
6	B00C-A04	17/7/24	S	X									
7	B00C-A05	17/7/24	S	X									
8	B00C-A06	18/7/24	S	X									
9	B00D-A01	17/7/24	S	X									
10	B00D-A02	17/7/24	S	X									
		Total Counts		10									

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	112186C

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

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☐ **Melbourne Laboratory**
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Company	GHD	**Project №**	12640941	**Project Manager**	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	**Project Name**	Lismore South Public School - HAZMAT	**EDD Format** (ESdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan
Handed over by	Hoschke
Email for Invoice	GHD Accounts
Email for Results	oliver.hoschke@ghd.com

Analyses — Where metals are requested, please specify "total" or "filtered". SUITE code must be used to attract SUITE pricing

Containers — Change container type & size if necessary.

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

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- ☐ Same day♦ ☐ 1 day♦
- ☐ 2 days♦ ☐ 3 days♦
- ☑ 5 days (Standard)
- ☐ Other( )

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos ID	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	B00D-A03	17/07/24	S	X										
2	B00D-A04	17/7/24	S	X										
3	B00E-A01	17/7/24	S	X										
4	B00E-A02	17/7/24	S	X										
5	B00F-A01	18/7/24	S	X										
6	B00F-A02	18/7/24	S	X										
7	B00F-A03	18/7/24	S	X										
8	B00F-A04	18/7/24	S	X										
9	B00F-A05	18/7/24	S	X										
10	B00G-A01	17/7/24	S	X										
	Total Counts			10										

Method of Shipment	☐ Courier (#) ☑ Hand Delivered ☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	**Received By**		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		**Report №**	1121866

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

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☐ **Melbourne Laboratory** 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 EnviroSampleVic@eurofins.com

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Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	**Project Name**	Lismore South Public School - HAZMAT	**EDD Format** (Esdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

Containers (Change container type & size if necessary.)

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- ☑ 5 days (Standard)
- ☐ Other( )

Analytes (Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to achieve SUITE pricing.)

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos ID	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	B00G-A02	17/07/24	S	X									
2	B00H-A01	17/7/24	S	X									
3	B00H-A02	17/7/24	S	X									
4	B00H-A03	17/7/24	S	X									
5	B00H-A04	17/7/24	S	X									
6	B00H-A05	17/7/24	S	X									
7	B00H-A06	17/7/24	S	X									
8	B00H-A07	18/7/24	S	X									
9	B00H-A08	18/7/24	S	X									
10	B00J-A01	18/7/24	S	X									
		Total Counts		10									

Method of Shipment ☐ Courier (#) ☐ Hand Delivered ☐ Postal Name Signature Date Time

Laboratory Use Only

Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Temperature		
Received By	SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature	Date	Time	Report №		

CHAIN OF CUSTODY RECORD

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Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	Project Name	Lismore South Public School - HAZMAT	EDD Format (ESdat, EQuIS etc)	
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Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

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Analyses — Where metals are required, please specify 'Total' or 'Filtered'. SUITE code must be used to attract SUITE pricing.

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 Solid (S) Water (W)	Asbestos ID	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	B00J-A02	18/07/24	S	X									
2	Movement2-A01	18/7/24	S	X									
3	Movement3-A01	18/7/24	S	X									
4	Movement3-A02	18/7/24	S	X									
5	Movement6-A01	18/7/24	S	X									
6	Movement5-A01	18/7/24	S	X									
7	B00C-AD01	18/7/24	S	X									
8	B00C-AD02	18/7/24	S	X									
9	B00D-AD01	18/7/24	S	X									
10	B00F-AD01	18/7/24	S	X									
		Total Counts		10									

Method of Shipment	☐ Courier (#)	☐ Hand Delivered	☐ Postal	Name		Signature		Date		Time	

Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

CHAIN OF CUSTODY RECORD

Eurofins | Environment Testing ABN 50 005 085 521

☐ Sydney Laboratory
179 Magowar Road, Girraween, NSW 2145
+61 2 9900 8400 EnviroSampleNSW@eurofins.com

☐ Brisbane Laboratory
Unit 1/21 Smallwood Place, Murarrie, QLD 4172
+61 7 3902 4600 EnviroSampleQLD@eurofins.com

☐ Perth Laboratory
46-48 Banksia Road, Welshpool, WA 6106
+61 8 6253 4444 EnviroSampleWA@eurofins.com

☐ Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
+61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	Project Name	Lismore South Public School - HAZMAT	EDD Format (ESdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

Analyses: Where metals are requested, please specify Total or "Filtered". SUITE code must be used to attract SUITE pricing.

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 Solid (S) Water (W)	Asbestos ID	Lead in Paint	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	B00H-AD01	18/07/24	S	X										
2	B00A-P01	18/7/24	S		X									
3	B00A-P02	18/7/24	S		X									
4	B00A-P03	18/7/24	S		X									
5	B00A-P04	18/7/24	S		X									
6	B00A-P05	18/7/24	S		X									
7	B00B-P01	18/7/24	S		X									
8	B00B-P02	18/7/24	S		X									
9	B00C-P01	17/7/24	S		X									
10	B00C-P02	17/7/24	S		X									
	Total Counts			1	9									

Method of Shipment	☐ Courier (#)	☐ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

CHAIN OF CUSTODY RECORD

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+61 2 9900 8400 EnviroSampleNSW@eurofins.com

☐ Brisbane Laboratory
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+61 7 3902 4600 EnviroSampleQLD@eurofins.com

☐ Perth Laboratory
46-48 Banksia Road, Welshpool, WA 6106
+61 8 6253 4444 EnviroSampleWA@eurofins.com

☐ Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
+61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	Project Name	Lismore South Public School - HAZMAT	EDD Format (ESdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

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( )

Analyses (Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing.)

№	Client Sample ID	Sampled Date/Time (dd/mm/yy hh:mm)	Matrix Solid (S) Water (W)	Asbestos	Lead in Paint	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	B00C-P03	17/07/24	S		X									
2	B00C-P04	17/7/24	S		X									
3	B00D-P01	17/7/24	S		X									
4	B00D-P02	17/7/24	S		X									
5	B00D-P03	17/7/24	S		X									
6	B00D-P04	17/7/24	S		X									
7	B00E-P01	17/7/24	S		X									
8	B00E-P02	17/7/24	S		X									
9	B00E-P03	17/7/24	S		X									
10	B00G-P01	17/7/24	S		X									
	Total Counts				10									

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name		Signature		Date		Time	

Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

CHAIN OF CUSTODY RECORD

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☐ Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
+61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	Project Name	Lismore South Public School - HAZMAT	EDD Format (ESdat, EQuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan	
Handed over by	Hoschke	
Email for Invoice	GHD Accounts	
Email for Results	oliver.hoschke@ghd.com	

Analyses — Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to ensure SUITE pricing

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos	Lead in Paint	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	B00G-P02	17/07/24	S		X									
2	B00G-P03	17/7/24	S		X									
3	B00G-P04	17/7/24	S		X									
4	B00G-P05	17/7/24	S		X									
5	B00G-P06	17/7/24	S		X									
6	B00H-P01	17/7/24	S		X									
7	B00H-P02	17/7/24	S		X									
8	B00H-P03	17/7/24	S		X									
9	B00H-P04	17/7/24	S		X									
10	B00H-P05	17/7/24	S		X									
	Total Counts				10									

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(

Method of Shipment	☐ Courier (#	☐ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

CHAIN OF CUSTODY RECORD

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☐ Melbourne Laboratory
6 Monterey Road Dandenong South VIC 3175
+61 3 8564 5000 EnviroSampleVic@eurofins.com

Company	GHD	Project №	12640941	Project Manager	Oliver Hoschke
Address	24 Honeysuckle Drive, Newcastle, NSW, 2300	Project Name	Lismore South Public School - HAZMAT	EDD Format (ESdat, EDuIS etc)	
Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan
Handed over by	Hoschke
Email for Invoice	GHD Accounts
Email for Results	oliver.hoschke@ghd.com

Containers (Change container type & size if necessary.)

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№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos	Lead in Paint	Lead on Filter	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	B00H-P06	17/07/24	S		X										
2	B00A-LD01	18/7/24	S			X									
3	B00B-LB01	18/7/24	S			X									
4	B00C-LD01	18/7/24	S			X									
5	B00D-LD01	18/7/24	S			X									
6	B00E-LD01	18/7/24	S			X									
7	B00F-LD01	18/7/24	S			X									
8	B00G-LD01	18/7/24	S			X									
9	B00H-LD01	18/7/24	S			X									
10	B00H-LD02	18/7/24	S			X									
	Total Counts				1	9									

Method of Shipment	☐ Courier (#)	☐ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
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Contact Name	Oliver Hoschke				
Phone №	419211613				
Special Directions					
Purchase Order	GHD National Contract				
Quote ID №					

Sampler(s)	Oliver Hoschke, karen Capangpangan
Handed over by	Hoschke
Email for Invoice	GHD Accounts
Email for Results	oliver.hoschke@ghd.com

Analyses (Where metals are requested, please specify "total" or "Filtered". SUITE code must be used to attract SUITE pricing)

№	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)	Asbestos	Lead on Filter	Containers: 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	B00J-LD01	18/07/24	S		✖									
2														
3														
4														
5														
6														
7														
8														
9														
10														
	Total Counts				1									

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(

Method of Shipment	☐ Courier (#)	☑ Hand Delivered	☐ Postal	Name		Signature		Date		Time	
Laboratory Use Only	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Temperature	
	Received By		SYD | BNE | MEL | PER | ADL | NTL | DRW	Signature		Date		Time		Report №	

GHD Pty Ltd
3/24 Honeysuckle Dve
Newcastle
NSW 2300

Attention: **Oliver Hoschke**

Report **1121860-A**
Project name LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID 12640941
Received Date Jul 26, 2024

Client Sample ID			**B00A-LD01**	**B00B-LD01**	**B00C-LD01**	**B00D-LD01**
Sample Matrix			**Wipes**	**Wipes**	**Wipes**	**Wipes**
Eurofins Sample No.			**N24-JI0067400**	**N24-JI0067401**	**N24-JI0067402**	**N24-JI0067403**
Date Sampled			**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	1	Total ug	72	210	1600	110

Client Sample ID			**B00E-LD01**	**B00F-LD01**	**B00G-LD01**	**B00H-LD01**
Sample Matrix			**Wipes**	**Wipes**	**Wipes**	**Wipes**
Eurofins Sample No.			**N24-JI0067404**	**N24-JI0067405**	**N24-JI0067406**	**N24-JI0067407**
Date Sampled			**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	1	Total ug	4.2	55	35	490

Client Sample ID			**B00H-LD02**	**BH00J-LD01**
Sample Matrix			**Wipes**	**Wipes**
Eurofins Sample No.			**N24-JI0067408**	**N24-JI0067409**
Date Sampled			**Jul 18, 2024**	**Jul 18, 2024**
Test/Reference	LOR	Unit		
Heavy Metals				
Lead	1	Total ug	260	36

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
Heavy Metals	Sydney	Jul 26, 2024	28 Days

- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
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WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins ProMicro Pty Ltd
ABN: 47 009 120 549

Perth ProMicro
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	B00A-A01	Jul 18, 2024		Building Materials	N24-JI0067320		X		
2	B00A-A02	Jul 18, 2024		Building Materials	N24-JI0067321		X		
3	B00A-A03	Jul 18, 2024		Building Materials	N24-JI0067322		X		
4	B00A-A04	Jul 18, 2024		Building Materials	N24-JI0067323		X		
5	B00A-A05	Jul 18, 2024		Building Materials	N24-JI0067324		X		
6	B00A-A06	Jul 18, 2024		Building Materials	N24-JI0067325		X		
7	B00A-A07	Jul 18, 2024		Building Materials	N24-JI0067326		X		
8	B00A-A08	Jul 18, 2024		Building Materials	N24-JI0067327		X		

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
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WA 6106
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NATA# 2377
Site# 2370

Eurofins ProMicro Pty Ltd
ABN: 47 009 120 549

Perth ProMicro
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
9	B00B-A01	Jul 18, 2024		Building Materials	N24-Jl0067328		X		
10	B00B-A02	Jul 18, 2024		Building Materials	N24-Jl0067329		X		
11	B00B-A03	Jul 18, 2024		Building Materials	N24-Jl0067330		X		
12	B00B-A04	Jul 18, 2024		Building Materials	N24-Jl0067331		X		
13	B00C-A01	Jul 17, 2024		Building Materials	N24-Jl0067332		X		
14	B00C-A02	Jul 17, 2024		Building Materials	N24-Jl0067333		X		
15	B00C-A03	Jul 17, 2024		Building Materials	N24-Jl0067334		X		
16	B00C-A04	Jul 17, 2024		Building Materials	N24-Jl0067335		X		
17	B00C-A05	Jul 17, 2024		Building Materials	N24-Jl0067336		X		
18	B00C-A06	Jul 17, 2024		Building	N24-Jl0067337		X		

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Eurofins Environment Testing Australia Pty Ltd
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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370

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Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
18	B00C-A06	Jul 17, 2024		Building Materials	N24-Jl0067337				
19	B00D-A01	Jul 17, 2024		Building Materials	N24-Jl0067338		X		
20	B00D-A02	Jul 17, 2024		Building Materials	N24-Jl0067339		X		
21	B00D-A03	Jul 17, 2024		Building Materials	N24-Jl0067340		X		
22	B00D-A04	Jul 17, 2024		Building Materials	N24-Jl0067341		X		
23	B00E-A01	Jul 17, 2024		Building Materials	N24-Jl0067342		X		
24	B00E-A02	Jul 17, 2024		Building Materials	N24-Jl0067343		X		
25	B00F-A01	Jul 18, 2024		Building Materials	N24-Jl0067344		X		
26	B00F-A02	Jul 18, 2024		Building Materials	N24-Jl0067345		X		
27	B00F-A03	Jul 18, 2024		Building	N24-Jl0067346		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
				Materials					
28	B00F-A04	Jul 18, 2024		Building Materials	N24-Jl0067347		X		
29	B00F-A05	Jul 18, 2024		Building Materials	N24-Jl0067348		X		
30	B00G-A01	Jul 17, 2024		Building Materials	N24-Jl0067349		X		
31	B00G-A02	Jul 17, 2024		Building Materials	N24-Jl0067350		X		
32	B00H-A01	Jul 17, 2024		Building Materials	N24-Jl0067351		X		
33	B00H-A02	Jul 17, 2024		Building Materials	N24-Jl0067352		X		
34	B00H-A03	Jul 17, 2024		Building Materials	N24-Jl0067353		X		
35	B00H-A04	Jul 17, 2024		Building Materials	N24-Jl0067354		X		
36	B00H-A05	Jul 17, 2024		Building Materials	N24-Jl0067355		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
37	B00H-A06	Jul 17, 2024		Building Materials	N24-JI0067356		X		
38	B00H-A07	Jul 18, 2024		Building Materials	N24-JI0067357		X		
39	B00H-A08	Jul 18, 2024		Building Materials	N24-JI0067358		X		
40	B00J-A01	Jul 18, 2024		Building Materials	N24-JI0067359		X		
41	B00J-A02	Jul 18, 2024		Building Materials	N24-JI0067360		X		
42	Movement2-A01	Jul 18, 2024		Building Materials	N24-JI0067361		X		
43	Movement3-A01	Jul 18, 2024		Building Materials	N24-JI0067362		X		
44	Movement3-A02	Jul 18, 2024		Building Materials	N24-JI0067363		X		
45	Movement6-A01	Jul 18, 2024		Building Materials	N24-JI0067364		X		
46	Movement5-	Jul 18, 2024		Building	N24-JI0067365		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
	A01			Materials					
47	B00C-A0D1	Jul 18, 2024		Building Materials	N24-Jl0067366	X			
48	B00C-AD02	Jul 18, 2024		Building Materials	N24-Jl0067367	X			
49	B00D-AD01	Jul 18, 2024		Building Materials	N24-Jl0067368	X			
50	B00F-AD01	Jul 18, 2024		Building Materials	N24-Jl0067369	X			
51	B00H-AD01	Jul 18, 2024		Building Materials	N24-Jl0067370	X			
52	B00A-P01	Jul 18, 2024		Paint	N24-Jl0067371				X
53	B00A-P02	Jul 18, 2024		Paint	N24-Jl0067372				X
54	B00A-P03	Jul 18, 2024		Paint	N24-Jl0067373				X
55	B00A-P04	Jul 18, 2024		Paint	N24-Jl0067374				X
56	B00A-P05	Jul 18, 2024		Paint	N24-Jl0067375				X
57	B00B-P01	Jul 18, 2024		Paint	N24-Jl0067376				X

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

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Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
58	B00B-P02	Jul 18, 2024		Paint	N24-JI0067377				X
59	B00C-P01	Jul 17, 2024		Paint	N24-JI0067378				X
60	B00C-P02	Jul 17, 2024		Paint	N24-JI0067379				X
61	B00C-P03	Jul 17, 2024		Paint	N24-JI0067380				X
62	B00C-P04	Jul 17, 2024		Paint	N24-JI0067381				X
63	B00D-P01	Jul 17, 2024		Paint	N24-JI0067382				X
64	B00D-P02	Jul 17, 2024		Paint	N24-JI0067383				X
65	B00D-P03	Jul 17, 2024		Paint	N24-JI0067384				X
66	B00D-P04	Jul 17, 2024		Paint	N24-JI0067385				X
67	B00E-P01	Jul 17, 2024		Paint	N24-JI0067386				X
68	B00E-P02	Jul 17, 2024		Paint	N24-JI0067387				X
69	B00E-P03	Jul 17, 2024		Paint	N24-JI0067388				X
70	B00G-P01	Jul 17, 2024		Paint	N24-JI0067389				X
71	B00G-P02	Jul 17, 2024		Paint	N24-JI0067390				X
72	B00G-P03	Jul 17, 2024		Paint	N24-JI0067391				X
73	B00G-P04	Jul 17, 2024		Paint	N24-JI0067392				X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
74	B00G-P05	Jul 17, 2024		Paint	N24-Jl0067393				X
75	B00H-P01	Jul 17, 2024		Paint	N24-Jl0067394				X
76	B00H-P02	Jul 17, 2024		Paint	N24-Jl0067395				X
77	B00H-P03	Jul 17, 2024		Paint	N24-Jl0067396				X
78	B00H-P04	Jul 17, 2024		Paint	N24-Jl0067397				X
79	B00H-P05	Jul 17, 2024		Paint	N24-Jl0067398				X
80	B00H-P06	Jul 17, 2024		Paint	N24-Jl0067399				X
81	B00A-LD01	Jul 18, 2024		Wipes	N24-Jl0067400			X	
82	B00B-LD01	Jul 18, 2024		Wipes	N24-Jl0067401			X	
83	B00C-LD01	Jul 18, 2024		Wipes	N24-Jl0067402			X	
84	B00D-LD01	Jul 18, 2024		Wipes	N24-Jl0067403			X	
85	B00E-LD01	Jul 18, 2024		Wipes	N24-Jl0067404			X	
86	B00F-LD01	Jul 18, 2024		Wipes	N24-Jl0067405			X	
87	B00G-LD01	Jul 18, 2024		Wipes	N24-Jl0067406			X	
88	B00H-LD01	Jul 18, 2024		Wipes	N24-Jl0067407			X	
89	B00H-LD02	Jul 18, 2024		Wipes	N24-Jl0067408			X	

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
90	BH00J-LD01	Jul 18, 2024		Wipes	N24-Jl0067409			X	
91	B00G-P06	Jul 18, 2024		Paint	N24-Jl0067433				X
Test Counts						51	51	10	30

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Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to the '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 before sample receipt deadlines as stated on the SRA.

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

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

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

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**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
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
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 moisture has been determined on a solid sample, the result is expressed on a dry weight 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 represents 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 similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
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 6.0
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 only be used as a guide 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. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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 are 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.

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:

Andrew Black	Analytical Services Manager
Fang Yee Tan	Senior Analyst-Metal

Glenn Jackson
Managing Director

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.

Certificate of Analysis

Environment Testing

GHD Pty Ltd
3/24 Honeysuckle Dve
Newcastle
NSW 2300

NATA Accredited
Accreditation Number 1261
Site Number 25079

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:	Oliver Hoschke
Report	1121860-AID
Project Name	LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID	12640941
Received Date	Jul 26, 2024
Date Reported	Aug 08, 2024

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. *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. *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. *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. *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). 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). *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 LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID 12640941
Date Sampled Jul 17, 2024 to Jul 18, 2024
Report 1121860-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
B00A-A01	24-Jl0067320	Jul 18, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey fibre cement fragment with blue paint	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A02	24-Jl0067321	Jul 18, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey fibre cement fragment with blue paint	Chrysotile and amosite asbestos detected.
B00A-A03	24-Jl0067322	Jul 18, 2024	Approximate Sample 141g / 160 x 110 x 6mm Sample consisted of: Grey layered fibre cement material with black paint	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A04	24-Jl0067323	Jul 18, 2024	Approximate Sample 9g / 30 x 40 x 5mm Sample consisted of: Grey layered fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A05	24-Jl0067324	Jul 18, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey putty material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A06	24-Jl0067325	Jul 18, 2024	Approximate Sample <1g / 10 x 2 x 1mm Sample consisted of: Grey putty material	Chrysotile asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A07	24-Jl0067326	Jul 18, 2024	Approximate Sample 26g / 110 x 50 x 10mm Sample consisted of: Grey insulation material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00A-A08	24-Jl0067327	Jul 18, 2024	Approximate Sample 27g / 110 x 50x 5mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
B00B-A01	24-JI0067328	Jul 18, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey fibre cement fragments with blue paint	Chrysotile and amosite asbestos detected.
B00B-A02	24-JI0067329	Jul 18, 2024	Approximate Sample 5g / 50 x 25 x 5mm Sample consisted of: Green vinyl tile	Chrysotile asbestos detected. Organic fibre detected.
B00B-A03	24-JI0067330	Jul 18, 2024	Approximate Sample <1g / 5 x 5 x 1mm Sample consisted of: Grey putty material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00B-A04	24-JI0067331	Jul 18, 2024	Approximate Sample 2g / 35 x 30 x 2mm Sample consisted of: Blue vinyl tile	No asbestos detected. Synthetic mineral fibre detected. No trace asbestos detected.
B00C-A01	24-JI0067332	Jul 17, 2024	Approximate Sample 1g / 30 x 10 x 7mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00C-A02	24-JI0067333	Jul 17, 2024	Approximate Sample 2g / 40 x 20 x 5mm Sample consisted of: Grey fibre cement material	Chrysotile asbestos detected.
B00C-A03	24-JI0067334	Jul 17, 2024	Approximate Sample 35g / 100 x 40 x 7mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00C-A04	24-JI0067335	Jul 17, 2024	Approximate Sample 32g / 140 x 70 x 7mm Sample consisted of: Grey fibre cement material with vinyl sheet	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00C-A05	24-JI0067336	Jul 17, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey fibre cement fragments	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00C-A06	24-JI0067337	Jul 17, 2024	Approximate Sample <1g / 15 x 10 x 2mm Sample consisted of: Grey fibre cement fragments	Chrysotile asbestos detected.
B00D-A01	24-JI0067338	Jul 17, 2024	Approximate Sample <1g / 10 x 10 x 1mm Sample consisted of: Grey fibre cement fragments	Chrysotile asbestos detected.
B00D-A02	24-JI0067339	Jul 17, 2024	Approximate Sample 72g / 80 x 60 x 15mm Sample consisted of: Green vinyl tile	Chrysotile asbestos detected. Organic fibre detected.
B00D-A03	24-JI0067340	Jul 17, 2024	Approximate Sample 12g / 120 x 80 x 3mm Sample consisted of: Brown fibrous material	No asbestos detected. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
B00D-A04	24-Jl0067341	Jul 17, 2024	Approximate Sample 17g / 60 x 40 x 6mm Sample consisted of: Brown fibre cement material	Chrysotile asbestos detected. Organic fibre detected.
B00E-A01	24-Jl0067342	Jul 17, 2024	Approximate Sample 13g / 80 x 15 x 7mm Sample consisted of: Grey cement tile with silicone	No asbestos detected. No trace asbestos detected.
B00E-A02	24-Jl0067343	Jul 17, 2024	Approximate Sample 1g / 30 x 20 x 5mm Sample consisted of: Blue vinyl tile	No asbestos detected. No trace asbestos detected.
B00F-A01	24-Jl0067344	Jul 18, 2024	Approximate Sample 60g / 100 x 100 x 5mm Sample consisted of: Blue vinyl tile	Chrysotile asbestos detected.
B00F-A02	24-Jl0067345	Jul 18, 2024	Approximate Sample 2g / 30 x 15 x 5mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00F-A03	24-Jl0067346	Jul 18, 2024	Approximate Sample 30g / 120 x 50 x 5mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00F-A04	24-Jl0067347	Jul 18, 2024	Approximate Sample <1g / 30 x 10 x 2mm Sample consisted of: Grey fibre cement fragments	Chrysotile and amosite asbestos detected.
B00F-A05	24-Jl0067348	Jul 18, 2024	Approximate Sample <1g / 20 x 10 x 1mm Sample consisted of: Black bituminous material	Chrysotile asbestos detected.
B00G-A01	24-Jl0067349	Jul 17, 2024	Approximate Sample 13g / 40 x 40 x 5mm Sample consisted of: Grey fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00G-A02	24-Jl0067350	Jul 17, 2024	Approximate Sample 1g / 40 x 15 x 4mm Sample consisted of: Grey fibre cement fragments	Chrysotile and amosite asbestos detected.
B00H-A01	24-Jl0067351	Jul 17, 2024	Approximate Sample 3g / 30 x 25 x 4mm Sample consisted of: Grey fibre cement fragments	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00H-A02	24-Jl0067352	Jul 17, 2024	Approximate Sample 21g / 60 x 60 x 6mm Sample consisted of: Grey fibre cement material	Chrysotile asbestos detected.
B00H-A03	24-Jl0067353	Jul 17, 2024	Approximate Sample 24g / 110 x 25 x 6mm Sample consisted of: Grey fibre cement material with vinyl sheet	No asbestos detected. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
B00H-A04	24-JI0067354	Jul 17, 2024	Approximate Sample 72g / 150 x 90 x 4mm Sample consisted of: Grey vinyl tile	No asbestos detected. No trace asbestos detected.
B00H-A05	24-JI0067355	Jul 17, 2024	Approximate Sample 7g / 30 x 20 x 8mm Sample consisted of: Grey putty material	No asbestos detected. No trace asbestos detected.
B00H-A06	24-JI0067356	Jul 17, 2024	Approximate Sample 9g / 60 x 60 x 6mm Sample consisted of: Grey fibre cement material	Chrysotile and amosite asbestos detected.
B00H-A07	24-JI0067357	Jul 18, 2024	Approximate Sample 7g / 60 x 20 x 5mm Sample consisted of: Grey fibre cement material	Chrysotile and amosite asbestos detected.
B00H-A08	24-JI0067358	Jul 18, 2024	Approximate Sample <1g / 15 x 10 x 2mm Sample consisted of: Grey fibre cement fragment	Chrysotile and amosite asbestos detected.
B00J-A01	24-JI0067359	Jul 18, 2024	Approximate Sample <1g / 10 x 8 x 2mm Sample consisted of: Grey fibre cement fragment	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00J-A02	24-JI0067360	Jul 18, 2024	Approximate Sample 49g / 90 x 60 x 10mm Sample consisted of: Brown cement material	No asbestos detected. No trace asbestos detected.
Movement2-A01	24-JI0067361	Jul 18, 2024	Approximate Sample 3g / 30 x 10 x 2mm Sample consisted of: Silver rubber material	No asbestos detected. No trace asbestos detected.
Movement3-A01	24-JI0067362	Jul 18, 2024	Approximate Sample <1g / 20 x 5 x 1mm Sample consisted of: Grey fibre cement fragments	No asbestos detected. Organic fibre detected. No trace asbestos detected.
Movement3-A02	24-JI0067363	Jul 18, 2024	Approximate Sample 33g / 150 x 30 x 10mm Sample consisted of: Grey fibre cement material	Chrysotile and amosite asbestos detected.
Movement6-A01	24-JI0067364	Jul 18, 2024	Approximate Sample 16g / 80 x 50 x 7mm Sample consisted of: Brown fibre cement material	Chrysotile and amosite asbestos detected.
Movement5-A01	24-JI0067365	Jul 18, 2024	Approximate Sample 3g / 25 x 10 x 10mm Sample consisted of: Brown putty material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00C-A0D1	24-JI0067366	Jul 18, 2024	Approximate Sample 10g / 42x23x6mm Sample consisted of: White plaster-like material, brown fibre cement material and insulation material	Chrysotile asbestos detected in loose fibres. Organic fibre detected. Synthetic mineral fibre detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
B00C-AD02	24-Jl0067367	Jul 18, 2024	Approximate Sample 6g / 30x28x6mm Sample consisted of: Brown fibre cement material and white plaster-like material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
B00D-AD01	24-Jl0067368	Jul 18, 2024	Approximate Sample 1g Sample consisted of: Brown dust with wood, paint flakes, white plaster-like material, plastic, debris and fibres	No asbestos detected at the reporting limit of 0.01% w/w. Synthetic mineral fibre detected. Organic fibre detected. No trace asbestos detected.
B00F-AD01	24-Jl0067369	Jul 18, 2024	Approximate Sample 1g Sample consisted of: Brown dust sample with plant debris, wood, white plaster-like material, debris and fibres	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
B00H-AD01	24-Jl0067370	Jul 18, 2024	Approximate Sample 14g Sample consisted of: Brown dust with paint flakes, nail, white plaster-like material, plant debris, wood, debris and fibres	No asbestos detected at the reporting limit of 0.01% w/w. Synthetic mineral fibre detected. Organic fibre detected. 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	Newcastle	Aug 08, 2024	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Aug 08, 2024	Indefinite

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	B00A-A01	Jul 18, 2024		Building Materials	N24-JI0067320			X		
2	B00A-A02	Jul 18, 2024		Building Materials	N24-JI0067321			X		
3	B00A-A03	Jul 18, 2024		Building Materials	N24-JI0067322			X		
4	B00A-A04	Jul 18, 2024		Building Materials	N24-JI0067323			X		
5	B00A-A05	Jul 18, 2024		Building Materials	N24-JI0067324			X		
6	B00A-A06	Jul 18, 2024		Building Materials	N24-JI0067325			X		
7	B00A-A07	Jul 18, 2024		Building Materials	N24-JI0067326			X		
8	B00A-A08	Jul 18, 2024		Building Materials	N24-JI0067327			X		

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Eurofins Environment Testing Australia Pty Ltd
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6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
9	B00B-A01	Jul 18, 2024		Building Materials	N24-Jl0067328			X		
10	B00B-A02	Jul 18, 2024		Building Materials	N24-Jl0067329			X		
11	B00B-A03	Jul 18, 2024		Building Materials	N24-Jl0067330			X		
12	B00B-A04	Jul 18, 2024		Building Materials	N24-Jl0067331			X		
13	B00C-A01	Jul 17, 2024		Building Materials	N24-Jl0067332			X		
14	B00C-A02	Jul 17, 2024		Building Materials	N24-Jl0067333			X		
15	B00C-A03	Jul 17, 2024		Building Materials	N24-Jl0067334			X		
16	B00C-A04	Jul 17, 2024		Building Materials	N24-Jl0067335			X		
17	B00C-A05	Jul 17, 2024		Building Materials	N24-Jl0067336			X		
18	B00C-A06	Jul 17, 2024		Building	N24-Jl0067337			X		

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Eurofins Environment Testing Australia Pty Ltd
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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370

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NATA# 2561
Site# 2554

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Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
18	B00C-A06	Jul 17, 2024		Building Materials	N24-Jl0067337					
19	B00D-A01	Jul 17, 2024		Building Materials	N24-Jl0067338			X		
20	B00D-A02	Jul 17, 2024		Building Materials	N24-Jl0067339			X		
21	B00D-A03	Jul 17, 2024		Building Materials	N24-Jl0067340			X		
22	B00D-A04	Jul 17, 2024		Building Materials	N24-Jl0067341			X		
23	B00E-A01	Jul 17, 2024		Building Materials	N24-Jl0067342			X		
24	B00E-A02	Jul 17, 2024		Building Materials	N24-Jl0067343			X		
25	B00F-A01	Jul 18, 2024		Building Materials	N24-Jl0067344			X		
26	B00F-A02	Jul 18, 2024		Building Materials	N24-Jl0067345			X		
27	B00F-A03	Jul 18, 2024		Building	N24-Jl0067346			X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: GHD Pty Ltd NEWCASTLE
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Newcastle
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
				Materials						
28	B00F-A04	Jul 18, 2024		Building Materials	N24-Jl0067347			X		
29	B00F-A05	Jul 18, 2024		Building Materials	N24-Jl0067348			X		
30	B00G-A01	Jul 17, 2024		Building Materials	N24-Jl0067349			X		
31	B00G-A02	Jul 17, 2024		Building Materials	N24-Jl0067350			X		
32	B00H-A01	Jul 17, 2024		Building Materials	N24-Jl0067351			X		
33	B00H-A02	Jul 17, 2024		Building Materials	N24-Jl0067352			X		
34	B00H-A03	Jul 17, 2024		Building Materials	N24-Jl0067353			X		
35	B00H-A04	Jul 17, 2024		Building Materials	N24-Jl0067354			X		
36	B00H-A05	Jul 17, 2024		Building Materials	N24-Jl0067355			X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Newcastle
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
37	B00H-A06	Jul 17, 2024		Building Materials	N24-Jl0067356			X		
38	B00H-A07	Jul 18, 2024		Building Materials	N24-Jl0067357			X		
39	B00H-A08	Jul 18, 2024		Building Materials	N24-Jl0067358			X		
40	B00J-A01	Jul 18, 2024		Building Materials	N24-Jl0067359			X		
41	B00J-A02	Jul 18, 2024		Building Materials	N24-Jl0067360			X		
42	Movement2-A01	Jul 18, 2024		Building Materials	N24-Jl0067361			X		
43	Movement3-A01	Jul 18, 2024		Building Materials	N24-Jl0067362			X		
44	Movement3-A02	Jul 18, 2024		Building Materials	N24-Jl0067363			X		
45	Movement6-A01	Jul 18, 2024		Building Materials	N24-Jl0067364			X		
46	Movement5-	Jul 18, 2024		Building	N24-Jl0067365			X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
	A01			Materials						
47	B00C-A0D1	Jul 18, 2024		Building Materials	N24-Jl0067366		X			
48	B00C-AD02	Jul 18, 2024		Building Materials	N24-Jl0067367		X			
49	B00D-AD01	Jul 18, 2024		Building Materials	N24-Jl0067368	X				
50	B00F-AD01	Jul 18, 2024		Building Materials	N24-Jl0067369	X				
51	B00H-AD01	Jul 18, 2024		Building Materials	N24-Jl0067370	X				
52	B00A-P01	Jul 18, 2024		Paint	N24-Jl0067371					X
53	B00A-P02	Jul 18, 2024		Paint	N24-Jl0067372					X
54	B00A-P03	Jul 18, 2024		Paint	N24-Jl0067373					X
55	B00A-P04	Jul 18, 2024		Paint	N24-Jl0067374					X
56	B00A-P05	Jul 18, 2024		Paint	N24-Jl0067375					X
57	B00B-P01	Jul 18, 2024		Paint	N24-Jl0067376					X

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
58	B00B-P02	Jul 18, 2024		Paint	N24-Jl0067377					X
59	B00C-P01	Jul 17, 2024		Paint	N24-Jl0067378					X
60	B00C-P02	Jul 17, 2024		Paint	N24-Jl0067379					X
61	B00C-P03	Jul 17, 2024		Paint	N24-Jl0067380					X
62	B00C-P04	Jul 17, 2024		Paint	N24-Jl0067381					X
63	B00D-P01	Jul 17, 2024		Paint	N24-Jl0067382					X
64	B00D-P02	Jul 17, 2024		Paint	N24-Jl0067383					X
65	B00D-P03	Jul 17, 2024		Paint	N24-Jl0067384					X
66	B00D-P04	Jul 17, 2024		Paint	N24-Jl0067385					X
67	B00E-P01	Jul 17, 2024		Paint	N24-Jl0067386					X
68	B00E-P02	Jul 17, 2024		Paint	N24-Jl0067387					X
69	B00E-P03	Jul 17, 2024		Paint	N24-Jl0067388					X
70	B00G-P01	Jul 17, 2024		Paint	N24-Jl0067389					X
71	B00G-P02	Jul 17, 2024		Paint	N24-Jl0067390					X
72	B00G-P03	Jul 17, 2024		Paint	N24-Jl0067391					X
73	B00G-P04	Jul 17, 2024		Paint	N24-Jl0067392					X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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Project ID: 12640941

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Received: Jul 26, 2024 11:20 AM
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Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
74	B00G-P05	Jul 17, 2024		Paint	N24-Jl0067393					X
75	B00H-P01	Jul 17, 2024		Paint	N24-Jl0067394					X
76	B00H-P02	Jul 17, 2024		Paint	N24-Jl0067395					X
77	B00H-P03	Jul 17, 2024		Paint	N24-Jl0067396					X
78	B00H-P04	Jul 17, 2024		Paint	N24-Jl0067397					X
79	B00H-P05	Jul 17, 2024		Paint	N24-Jl0067398					X
80	B00H-P06	Jul 17, 2024		Paint	N24-Jl0067399					X
81	B00A-LD01	Jul 18, 2024		Wipes	N24-Jl0067400				X	
82	B00B-LD01	Jul 18, 2024		Wipes	N24-Jl0067401				X	
83	B00C-LD01	Jul 18, 2024		Wipes	N24-Jl0067402				X	
84	B00D-LD01	Jul 18, 2024		Wipes	N24-Jl0067403				X	
85	B00E-LD01	Jul 18, 2024		Wipes	N24-Jl0067404				X	
86	B00F-LD01	Jul 18, 2024		Wipes	N24-Jl0067405				X	
87	B00G-LD01	Jul 18, 2024		Wipes	N24-Jl0067406				X	
88	B00H-LD01	Jul 18, 2024		Wipes	N24-Jl0067407				X	
89	B00H-LD02	Jul 18, 2024		Wipes	N24-Jl0067408				X	

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Sample Detail						Asbestos - AS4964	Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X	X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079								X		
90	BH00J-LD01	Jul 18, 2024		Wipes	N24-Jl0067409				X	
91	B00G-P06	Jul 18, 2024		Paint	N24-Jl0067433					X
Test Counts						3	48	48	10	30

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. 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**). This estimate is not NATA-accredited.
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.
Sampling	Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.
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:

Geronimo Jr Abrot	Senior Analyst-Asbestos
Anita Weinberg	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos
Bryce Keegan	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

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.

GHD Pty Ltd
3/24 Honeysuckle Dve
Newcastle
NSW 2300

Attention: **Oliver Hoschke**

Report **1121860-S**
Project name LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID 12640941
Received Date Jul 26, 2024

Client Sample ID			**B00A-P01**	**B00A-P02**	**B00A-P03**	**B00A-P04**
Sample Matrix			**Paint**	**Paint**	**Paint**	**Paint**
Eurofins Sample No.			**N24-JI0067371**	**N24-JI0067372**	**N24-JI0067373**	**N24-JI0067374**
Date Sampled			**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	[M10]< 0.01	[M10]< 0.01	[M10]< 0.01	0.03

Client Sample ID			**B00A-P05**	**B00B-P01**	**B00B-P02**	**B00C-P01**
Sample Matrix			**Paint**	**Paint**	**Paint**	**Paint**
Eurofins Sample No.			**N24-JI0067375**	**N24-JI0067376**	**N24-JI0067377**	**N24-JI0067378**
Date Sampled			**Jul 18, 2024**	**Jul 18, 2024**	**Jul 18, 2024**	**Jul 17, 2024**
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	0.06	< 0.01	[M10]< 0.01	< 0.01

Client Sample ID			**B00C-P02**	**B00C-P03**	**B00C-P04**	**B00D-P01**
Sample Matrix			**Paint**	**Paint**	**Paint**	**Paint**
Eurofins Sample No.			**N24-JI0067379**	**N24-JI0067380**	**N24-JI0067381**	**N24-JI0067382**
Date Sampled			**Jul 17, 2024**	**Jul 17, 2024**	**Jul 17, 2024**	**Jul 17, 2024**
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	0.09	0.11	0.03	< 0.01

Client Sample ID			**B00D-P02**	**B00D-P03**	**B00D-P04**	**B00E-P01**
Sample Matrix			**Paint**	**Paint**	**Paint**	**Paint**
Eurofins Sample No.			**N24-JI0067383**	**N24-JI0067384**	**N24-JI0067385**	**N24-JI0067386**
Date Sampled			**Jul 17, 2024**	**Jul 17, 2024**	**Jul 17, 2024**	**Jul 17, 2024**
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	< 0.01	[M10]0.03	< 0.01	< 0.01

Client Sample ID			B00E-P02	B00E-P03	B00G-P01	B00G-P02
Sample Matrix			Paint	Paint	Paint	Paint
Eurofins Sample No.			N24-JI0067387	N24-JI0067388	N24-JI0067389	N24-JI0067390
Date Sampled			Jul 17, 2024	Jul 17, 2024	Jul 17, 2024	Jul 17, 2024
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	[M10]0.05	0.02	< 0.01	0.13

Client Sample ID			B00G-P03	B00G-P04	B00G-P05	B00H-P01
Sample Matrix			Paint	Paint	Paint	Paint
Eurofins Sample No.			N24-JI0067391	N24-JI0067392	N24-JI0067393	N24-JI0067394
Date Sampled			Jul 17, 2024	Jul 17, 2024	Jul 17, 2024	Jul 17, 2024
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	< 0.01	< 0.01	< 0.01	0.19

Client Sample ID			B00H-P02	B00H-P03	B00H-P04	B00H-P05
Sample Matrix			Paint	Paint	Paint	Paint
Eurofins Sample No.			N24-JI0067395	N24-JI0067396	N24-JI0067397	N24-JI0067398
Date Sampled			Jul 17, 2024	Jul 17, 2024	Jul 17, 2024	Jul 17, 2024
Test/Reference	LOR	Unit				
Lead (% w/w)	0.01	%	0.05	0.06	0.06	0.03

Client Sample ID			B00H-P06	B00G-P06
Sample Matrix			Paint	Paint
Eurofins Sample No.			N24-JI0067399	N24-JI0067433
Date Sampled			Jul 17, 2024	Jul 18, 2024
Test/Reference	LOR	Unit		
Lead (% w/w)	0.01	%	0.02	0.25

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	Jul 26, 2024	6 Months

- Method: LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	B00A-A01	Jul 18, 2024		Building Materials	N24-JI0067320		X		
2	B00A-A02	Jul 18, 2024		Building Materials	N24-JI0067321		X		
3	B00A-A03	Jul 18, 2024		Building Materials	N24-JI0067322		X		
4	B00A-A04	Jul 18, 2024		Building Materials	N24-JI0067323		X		
5	B00A-A05	Jul 18, 2024		Building Materials	N24-JI0067324		X		
6	B00A-A06	Jul 18, 2024		Building Materials	N24-JI0067325		X		
7	B00A-A07	Jul 18, 2024		Building Materials	N24-JI0067326		X		
8	B00A-A08	Jul 18, 2024		Building Materials	N24-JI0067327		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
9	B00B-A01	Jul 18, 2024		Building Materials	N24-Jl0067328		X		
10	B00B-A02	Jul 18, 2024		Building Materials	N24-Jl0067329		X		
11	B00B-A03	Jul 18, 2024		Building Materials	N24-Jl0067330		X		
12	B00B-A04	Jul 18, 2024		Building Materials	N24-Jl0067331		X		
13	B00C-A01	Jul 17, 2024		Building Materials	N24-Jl0067332		X		
14	B00C-A02	Jul 17, 2024		Building Materials	N24-Jl0067333		X		
15	B00C-A03	Jul 17, 2024		Building Materials	N24-Jl0067334		X		
16	B00C-A04	Jul 17, 2024		Building Materials	N24-Jl0067335		X		
17	B00C-A05	Jul 17, 2024		Building Materials	N24-Jl0067336		X		
18	B00C-A06	Jul 17, 2024		Building	N24-Jl0067337		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
18	B00C-A06	Jul 17, 2024		Building Materials	N24-Jl0067337				
19	B00D-A01	Jul 17, 2024		Building Materials	N24-Jl0067338		X		
20	B00D-A02	Jul 17, 2024		Building Materials	N24-Jl0067339		X		
21	B00D-A03	Jul 17, 2024		Building Materials	N24-Jl0067340		X		
22	B00D-A04	Jul 17, 2024		Building Materials	N24-Jl0067341		X		
23	B00E-A01	Jul 17, 2024		Building Materials	N24-Jl0067342		X		
24	B00E-A02	Jul 17, 2024		Building Materials	N24-Jl0067343		X		
25	B00F-A01	Jul 18, 2024		Building Materials	N24-Jl0067344		X		
26	B00F-A02	Jul 18, 2024		Building Materials	N24-Jl0067345		X		
27	B00F-A03	Jul 18, 2024		Building	N24-Jl0067346		X		

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Eurofins Environment Testing Australia Pty Ltd
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
Newcastle
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Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
				Materials					
28	B00F-A04	Jul 18, 2024		Building Materials	N24-Jl0067347		X		
29	B00F-A05	Jul 18, 2024		Building Materials	N24-Jl0067348		X		
30	B00G-A01	Jul 17, 2024		Building Materials	N24-Jl0067349		X		
31	B00G-A02	Jul 17, 2024		Building Materials	N24-Jl0067350		X		
32	B00H-A01	Jul 17, 2024		Building Materials	N24-Jl0067351		X		
33	B00H-A02	Jul 17, 2024		Building Materials	N24-Jl0067352		X		
34	B00H-A03	Jul 17, 2024		Building Materials	N24-Jl0067353		X		
35	B00H-A04	Jul 17, 2024		Building Materials	N24-Jl0067354		X		
36	B00H-A05	Jul 17, 2024		Building Materials	N24-Jl0067355		X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Company Name: GHD Pty Ltd NEWCASTLE
Address: 3/24 Honeysuckle Dve
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NSW 2300

Project Name: LISMORE SOUTH PUBLIC SCHOOL - HAZMAT
Project ID: 12640941

Order No.:
Report #: 1121860
Phone: 02 4979 9999
Fax: 02 4979 9988

Received: Jul 26, 2024 11:20 AM
Due: Aug 2, 2024
Priority: 5 Day
Contact Name: Oliver Hoschke

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
37	B00H-A06	Jul 17, 2024		Building Materials	N24-JI0067356		X		
38	B00H-A07	Jul 18, 2024		Building Materials	N24-JI0067357		X		
39	B00H-A08	Jul 18, 2024		Building Materials	N24-JI0067358		X		
40	B00J-A01	Jul 18, 2024		Building Materials	N24-JI0067359		X		
41	B00J-A02	Jul 18, 2024		Building Materials	N24-JI0067360		X		
42	Movement2-A01	Jul 18, 2024		Building Materials	N24-JI0067361		X		
43	Movement3-A01	Jul 18, 2024		Building Materials	N24-JI0067362		X		
44	Movement3-A02	Jul 18, 2024		Building Materials	N24-JI0067363		X		
45	Movement6-A01	Jul 18, 2024		Building Materials	N24-JI0067364		X		
46	Movement5-	Jul 18, 2024		Building	N24-JI0067365		X		

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Sample Detail						Asbestos Absence /Presence	Asbestos Absence /Presence*	Lead	Lead (% w/w)
Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
	A01			Materials					
47	B00C-A0D1	Jul 18, 2024		Building Materials	N24-Jl0067366	X			
48	B00C-AD02	Jul 18, 2024		Building Materials	N24-Jl0067367	X			
49	B00D-AD01	Jul 18, 2024		Building Materials	N24-Jl0067368	X			
50	B00F-AD01	Jul 18, 2024		Building Materials	N24-Jl0067369	X			
51	B00H-AD01	Jul 18, 2024		Building Materials	N24-Jl0067370	X			
52	B00A-P01	Jul 18, 2024		Paint	N24-Jl0067371				X
53	B00A-P02	Jul 18, 2024		Paint	N24-Jl0067372				X
54	B00A-P03	Jul 18, 2024		Paint	N24-Jl0067373				X
55	B00A-P04	Jul 18, 2024		Paint	N24-Jl0067374				X
56	B00A-P05	Jul 18, 2024		Paint	N24-Jl0067375				X
57	B00B-P01	Jul 18, 2024		Paint	N24-Jl0067376				X

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
58	B00B-P02	Jul 18, 2024		Paint	N24-JI0067377				X
59	B00C-P01	Jul 17, 2024		Paint	N24-JI0067378				X
60	B00C-P02	Jul 17, 2024		Paint	N24-JI0067379				X
61	B00C-P03	Jul 17, 2024		Paint	N24-JI0067380				X
62	B00C-P04	Jul 17, 2024		Paint	N24-JI0067381				X
63	B00D-P01	Jul 17, 2024		Paint	N24-JI0067382				X
64	B00D-P02	Jul 17, 2024		Paint	N24-JI0067383				X
65	B00D-P03	Jul 17, 2024		Paint	N24-JI0067384				X
66	B00D-P04	Jul 17, 2024		Paint	N24-JI0067385				X
67	B00E-P01	Jul 17, 2024		Paint	N24-JI0067386				X
68	B00E-P02	Jul 17, 2024		Paint	N24-JI0067387				X
69	B00E-P03	Jul 17, 2024		Paint	N24-JI0067388				X
70	B00G-P01	Jul 17, 2024		Paint	N24-JI0067389				X
71	B00G-P02	Jul 17, 2024		Paint	N24-JI0067390				X
72	B00G-P03	Jul 17, 2024		Paint	N24-JI0067391				X
73	B00G-P04	Jul 17, 2024		Paint	N24-JI0067392				X

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
74	B00G-P05	Jul 17, 2024		Paint	N24-Jl0067393				X
75	B00H-P01	Jul 17, 2024		Paint	N24-Jl0067394				X
76	B00H-P02	Jul 17, 2024		Paint	N24-Jl0067395				X
77	B00H-P03	Jul 17, 2024		Paint	N24-Jl0067396				X
78	B00H-P04	Jul 17, 2024		Paint	N24-Jl0067397				X
79	B00H-P05	Jul 17, 2024		Paint	N24-Jl0067398				X
80	B00H-P06	Jul 17, 2024		Paint	N24-Jl0067399				X
81	B00A-LD01	Jul 18, 2024		Wipes	N24-Jl0067400			X	
82	B00B-LD01	Jul 18, 2024		Wipes	N24-Jl0067401			X	
83	B00C-LD01	Jul 18, 2024		Wipes	N24-Jl0067402			X	
84	B00D-LD01	Jul 18, 2024		Wipes	N24-Jl0067403			X	
85	B00E-LD01	Jul 18, 2024		Wipes	N24-Jl0067404			X	
86	B00F-LD01	Jul 18, 2024		Wipes	N24-Jl0067405			X	
87	B00G-LD01	Jul 18, 2024		Wipes	N24-Jl0067406			X	
88	B00H-LD01	Jul 18, 2024		Wipes	N24-Jl0067407			X	
89	B00H-LD02	Jul 18, 2024		Wipes	N24-Jl0067408			X	

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Sydney Laboratory - NATA # 1261 Site # 18217						X		X	X
Mayfield West Laboratory - NATA # 1261 Site # 25079							X		
90	BH00J-LD01	Jul 18, 2024		Wipes	N24-Jl0067409			X	
91	B00G-P06	Jul 18, 2024		Paint	N24-Jl0067433				X
Test Counts						51	51	10	30

Internal Quality Control Review and Glossary

General

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

Holding Times

Please refer to the '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 before sample receipt deadlines as stated on the SRA.

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

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

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

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**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
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
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 moisture has been determined on a solid sample, the result is expressed on a dry weight 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 represents 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 similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
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 6.0
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 only be used as a guide 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. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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 are 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.

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

Qualifier Codes/Comments

Code	Description
M10	NATA accreditation does not cover the performance of this service in soil matrices

Authorised by:

Andrew Black	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

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.

Appendix C

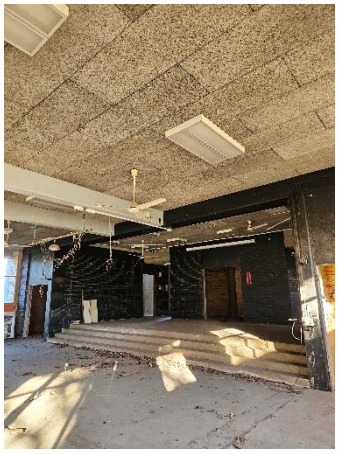
Photographs

Photograph 1: Building B00A looking north

Photograph 2: Building B00C looking north

Photograph 3: Building B00H looking south

Photograph 4: Internal areas of B00H



Photograph 5: Ground floor hall B00A

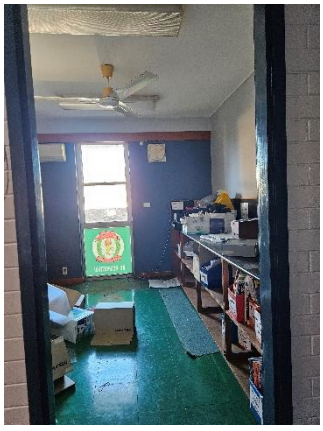
Photograph 6: Ground floor canteen area B00E

Photograph 7: Internal classroom area B00D

Photograph 8: B00G toilet block

Photograph 9: B00I stairway and movement areas.

Photograph 10: B00C internal areas (Asbestos fibres detected in dust on floor)



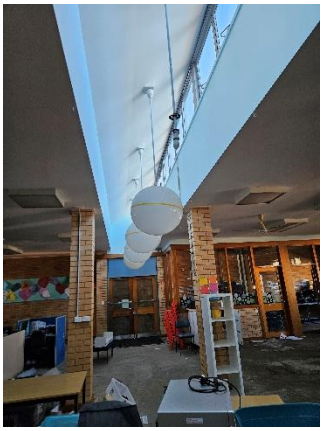
Photograph 11: Building B00B photocopy room (Asbestos detected in green floor tiles)

Photograph 12: B00B external areas

Photograph 13: Movement area between building B00B and B00F (Asbestos detected in flat cement sheet ceiling lining)

Photograph 14: Building B00F external area (Asbestos detected in window putty)

Photograph 15: Building B00F walkway/movement area (Asbestos detected in flat cement sheet ceiling lining)



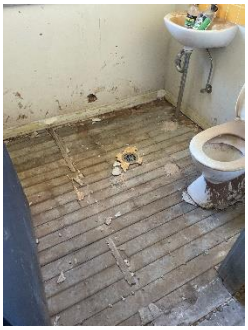
Photograph 16: Internal library area of B00A

Photograph 17: Building B00J - preschool

Photograph 18: Toilet cubicles in building B00B ground floor toilets (Asbestos detected in compressed cement sheet cubicle wall linings)

Photograph 19: External windows B00A (Asbestos detected in window putty within the rectangular top windows)

Photograph 20: Damaged ceiling lining to B00F stairway/movement area (Asbestos detected in flat cement sheet ceiling lining)



Photograph 21: Bathroom floor within Building B00C (Asbestos fibres detected within dust on floor)

Photograph 22: Flat cement sheet fragments packers used between window frames and timber/brick framework (Asbestos detected in packer fragments)

Photograph 23: Electrical distribution board ground floor B00F (Asbestos detected)

Photograph 24: Roof gable ends and eaves to building B00H (Asbestos detected in roof gable end and eave lining)

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