ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

STATE SIGNIFICANT DEVELOPMENT ASSESSMENT REPORT

BUILDINGS – MN06, MN07 & MN08

Manning Base Hospital Redevelopment

26 York St

Taree NSW 2430

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Survey conducted in March 2022

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1 Introduction

This Pre-Demolition Hazardous Building Materials Survey Report has been prepared by ENV Services Pty Ltd (ENV) at the request of Mace Group for Manning Base Hospital located at 26 York Street, Taree NSW 2430. The survey was undertaken to identify and confirm the existence of previously identified hazardous building materials (Hazmat) throughout specific buildings on-site, and to locate other previously unidentified Hazmat. The assessment was carried out by ENV's Licensed Asbestos Assessor Jake Rozyn (LAA001246) on Tuesday 8th to Tuesday 15th February 2022.

The contaminants of potential concern (COPC) included asbestos containing materials (ACM) and asbestos containing dust/ soil, paint systems and dust containing lead (Pb), synthetic mineral fibres (SMF) and Polychlorinated Biphenyls (PCB's) contained in capacitors in light fittings. Work was undertaken to assess the extent of hazardous materials within each building, establish any COPC and provide information to ensure that redevelopment works being undertaken are done so in a safe manner that minimises the risk of human exposure and environmental damage.

1.1 Scope of Work

The Project was announced in the NSW Government 2020 State Budget, under the Regional Health Infrastructure program, funded through the Restart NSW Fund. It is the second stage 2 of the expansion and refurbishment of Manning Base Hospital ('MBH') with a priority for improved patient accommodation. Identification of hazardous building materials prior to redevelopment works is required, and a scope of works developed for the safe removal of these.

These works are being delivered under Health Infrastructure with Mace as the appointed Project Managers for Stage 2.

Required works include an intrusive and minor destructive investigation of the following building proposed for demolition. This includes the following buildings:

- Building 6 – Pharmacy Building (MN06);
- Building 7 – Pathology (MN07); and
- Building 8 – Victorian Fever Ward (MN08).

As a part of HI's due diligence prior to demolition of nominated hospital buildings, the Project Team have requested additional Hazmat investigations to provide clarity on existing items within the current Asbestos Register (2017) and secondary Hazmat Register (2015) in informing the detailed design and cost estimations. Any additional Hazmat items located during site investigations will be included in the updated register.

In light of these requirements, the scope of this assessment was to:

- Inspect all accessible areas of the nominated buildings to identify hazardous materials prior to redevelopment.
- Compile/ update a hazardous building materials register for the site; and
- Make recommendations for the on-going management/removal of the asbestos/hazardous materials.

The interior and exterior of the buildings were examined. Hazardous materials assessed included:

- Asbestos Containing Material (ACM) + contaminated dust and soil;
- Synthetic Mineral Fibre (SMF) materials;
- Polychlorinated Biphenyls (PCB's) contained in capacitors in light fittings; and,
- Lead (Pb) containing paint + contaminated dust.

2 Site Characteristics

Table 1: Site Characteristics

Lot & DP:	Lot 1 DP 101189
Site Address:	26 York Street, Taree NSW 2430
Type of Building/ Age/ Levels:	MN06 - Single storey building built around the 1960's constructed of brick and concrete. The roof of this building was a corrugated sheet roof and has been replaced along with the eaves. There is some identified asbestos contamination to the subfloor and ceiling space. MN07 - Built around 1960's A single storey brick and tile structure. There is exposed asbestos sheeting within the ceiling and friable lagging debris and asbestos contamination within the subfloor of this building. MN08 - The original building is estimated to be built around the 1940's. There has been an addition to the building around 1950. The older section of the building is a solid brick construction and concrete floors there is a number of internal walls and ceilings assumed to contain asbestos along with the external walls on the southern side. Subfloor appears to have been remediated (no documentation and unknown date range) and ceiling cavity contains residual asbestos lagging.

3 Inspection Procedure

The surveys were conducted to identify the presence and condition of COPC comprising of ACM + asbestos in dust + asbestos in soil, lead paint-based systems + lead in dust, SMF and PCBs. The procedure for identifying each COPC is summarised below.

3.1 Asbestos Containing Material (ACM)

This component of the assessment was carried out in accordance with *"How to manage and control asbestos in the workplace – Code of practice Safe Work NSW"* (August 2019). During the HAZMAT survey sampling program, forty-two (42) potential ACM samples were obtained from targeted areas.

Samples were collected and placed in plastic snap lock bags prior to being sent to the NATA accredited, Australian Safer Environment & Technology Pty Ltd (ASET) (NATA accreditation no. 14484).

Specific locations required for sampling included building materials that had previously been identified as asbestos containing materials based on assumptions and any additional materials that had not been previously identified. The following standards and codes were followed as part of the ACM component of works:

- SafeWork NSW Code of Practice How to Manage and Control Asbestos in the Workplace (August 2019); and,
- Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres: 2nd Edition [NOHSC: 3003 (2005)].

3.2 Lead Paint Systems

During the HAZMAT survey sampling program, sixteen (12) potential lead paint samples were obtained from specific areas across several buildings. Samples were collected and placed in plastic snap lock bags prior to being sent to the NATA accredited laboratory, Octief (NATA accreditation no. 15172). All work was undertaken in accordance with AS 4361.1 — *2017 Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications, and,* AS 4361.2— *2017 Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings* guidelines and was undertaken by a suitably qualified ENV staff member.

Specific locations required for sampling included building paint systems that had previously been identified as lead containing based on assumptions and any additional paint systems that had not been previously identified. The following standards and codes were followed as part of the lead paint systems component of works:

- New South Wales Work Health and Safety Regulation 2017 AS 4361.1— *2017 Guide to hazardous paint management. Part 1: Lead and other metallic pigments in industrial applications*;
- AS 4361.1— 2017 *Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications*; and,

- AS 4361.2— 2017 *Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings*.

3.2.1 Lead Paint System Guidelines

As outlined in AS 4361.1— 2017 *Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications*, lead based paint is defined as paint containing more than 0.1% weight for weight (w/w).

3.3 Residual Lead in Dust

Six (3) potential lead dust swab sample were obtained from the roof cavities in several buildings. All samples were submitted to a NATA accredited laboratory and analysed in accordance with Australian Standard AS 4361.2:2017 Guide to Hazardous Paint Management – Part 2: Lead Paint in Residential, Public and Commercial Buildings, and AS ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

Specific locations required for sampling included areas identified as being affected during the redevelopment works. No previous lead in dust sampling had occurred at the site. The following standards and codes were followed as part of the residual lead in dust component of works:

- *Safe Work Australia, Workplace Exposure Standards For Airborne Contaminants (18 April 2013);*
- *AS 4361.1— 2017 Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications; and,*
- *AS 4361.2— 2017 Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings.*

3.3.1 Residual Lead in Dust Guidelines

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

The newly revised Australian and New Zealand Standard for managing lead containing materials 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. These levels are comparative to the NSW EPA document Managing Lead Contamination in Home Maintenance, Renovation and Demolition Practices: A Guide to Councils.

In the absence of Australian guidance for lead dust, ENV have adopted the assessment criteria from the US EPA literature. The US EPA assessment criteria for lead surface dust can be found in the table below:

Table 2: Hazard Risk levels adopted from the US EPA Guidelines for Lead Surface Dust

Area	Commercial Facilities	Residential, Hospitals, Schools and Childcare Facilities
Exterior surface	8 mg/m^2	4.3 mg/m^2
Ceiling dust	8 mg/m^2	**4.3 mg/m^2**
Interior surface	5 mg/m^2	2.7 mg/m^2
Floors and eating areas	1 mg/m^2	0.43 mg/m^2

3.4 Synthetic Mineral Fibres (SMF)

This component of the assessment was carried out in accordance with the guidelines documented in the *"Code of practice for the safe use of synthetic mineral fibres"* [NOHSC: 2006(1990)]. This report broadly identifies SMF materials found or suspected of being present during the survey based on a visual assessment.

3.5 Polychlorinated biphenyls (PCBs)

Detailed information on the ballasts in fluorescent tube light fittings and other electrical equipment are cross referenced to the document *"Identification of PCB containing capacitors information booklet: An information booklet for electricians and electrical contractors"*. (ANZECC 1997). No PCBs were identified.

3.6 Photographic Record

Photographs of the property as it existed on the day of the survey are provided at **Attachment 1.**

3.7 Inaccessible areas

The aim of the survey undertaken has been to locate, *as far as is reasonably practicable*, the presence of any hazardous substance(s) in the building and assess their condition.

This inspection has been undertaken in a ***semi-destructive*** manner and as such, there may be areas where ACM exists which have not been detected. This could include:

- Within wall cavities;
- beneath floors/slabs;
- within plant and equipment (such as AC ducts);
- hidden pipe work;
- ceiling spaces and voids; and
- other encapsulated areas.

Areas that were not assessed during the inspection due to buildings currently being occupied must be considered prior to demolition. An additional *destructive* inspection may be required for these areas, which allows access to areas otherwise hidden.

It is also not feasible to sample all materials suspected of containing asbestos. Where a sample has been positively identified by laboratory analysis as containing asbestos, other similar materials within the building may be referenced to that sample. In such cases, these similar materials are **presumed** or assumed to contain asbestos. Most presumed materials were sampled and NATA analysed.

4 Survey Summary

4.1 Asbestos

Forty-two (13) asbestos samples were taken from within, beneath and around the buildings. Samples were taken from previously assumed positive asbestos building materials, any large quantity building materials that may have previously been under sampled, large potentially contaminated areas and any unidentified ACMs. The samples included fibre cement sheeting, bituminous materials, putty, dust and debris, and lagging.

Practical Environmental Solutions (PES) completed Asbestos Audits of building MN06, MN07 and MN08 in November 2017. Specific areas presumed during this inspection were targeted for testing in the current survey, with results included this report. This is summarised within targeted survey Hazmat register in Attachment 1.

The ***key*** findings include, but are not limited to (consult Hazmat Register for comprehensive list):

4.1.1 MN06 – Building 6 – Pharmacy (Figure 2.0 and 2.1)

- Flat fibre cement asbestos sheeting to MN0600012 wall.
- Existing Hazardous Materials Register (2015) identified friable asbestos within the ceiling cavity remaining from previously removed corrugated asbestos roof and lagged hot water pipe. The survey confirmed the presence of a spray-applied encapsulant solution to all areas of the ceiling cavity; white in colour. Remediation is assumed to have been undertaken in July 2015. No clearance certification was provided to ENV. One of ENVs dust sample (AS10-5) returned a positive result for Chrysotile, Amosite and Crocidolite loose fibres. ENV consider the ceiling cavity contaminated with friable asbestos and any porous and semi-porous encapsulated materials as non-friable asbestos contaminated materials and must be removed and disposed as such.
- Flat fibre cement asbestos sheet fragments and pier packers were previously identified within the subfloor space.
- Visual inspection of the subfloor void revealed no remediation works have occurred. Previous investigations in 2015 and 2017 identified thermal insulation friable asbestos debris within the surface soils throughout the subfloor area, however, the vertical

extent of contamination is unknown. All porous and semi porous materials (brick and timber) within the subfloor area are deemed friable asbestos contaminated.

Extent of contaminated areas can be found in Figures in Attachment 3.

4.1.2 MN07 – Building 7 – Pathology (Figure 3.0 and 3.1)

- Flat fibre cement asbestos sheeting external to eave soffit linings and gable end tile support strips.
- Asbestos containing Vinyl Floor Tiles (VFT) throughout.
- Visual inspection of the ceiling cavity revealed no remediation works have occurred. Previous investigations in 2015 and 2017 identified thermal insulation friable asbestos debris and ENV survey identified similar materials throughout (sampled and confirmed). The entire ceiling cavity is deemed friable asbestos contaminated.
- Visual inspection of the subfloor void revealed no remediation works have occurred. Previous investigations in 2015 and 2017 identified thermal insulation friable asbestos debris within the surface soils throughout the subfloor area, however, the vertical extent of contamination is unknown. All porous and semi porous materials (brick and timber) within the subfloor area are deemed friable asbestos contaminated.

  Extent of contaminated areas can be found in Figures in Attachment 3.

4.1.3 MN08 – Building 8 – Victoria Fever Ward (Figure 4.0 and 4.1)

- Flat fibre cement asbestos sheeting to external wall cladding, including cover strips.
- Flat fibre cement asbestos sheeting to some internal wall and ceiling linings.
- ENV identified chrysotile asbestos paper backing to linoleum hidden under current linoleum floor covering. Additional investigations are required to determine extent of hidden paper back linoleum. Removal of this material will create a friable product.
- Visual inspection of the ceiling cavity revealed no remediation works have occurred. Previous investigations in 2015 and 2017 identified thermal insulation friable asbestos to pipework. The ceiling cavity (original build) is deemed friable asbestos contaminated.
- Inspection of the subfloor revealed surface soils have been encapsulated with approximately 100 mm layer of line-pumped concrete and the presence of a spray-applied encapsulant solution to all subfloor surface areas; yellow in colour.

Investigations in 2015 and 2017 made no mention of these “assumed” remediation works, and no clearance reports have been supplied. Until evidence is provided to suggest otherwise, this concrete encapsulation is considered asbestos contaminated and surface soils below are assumed to contain friable asbestos. Any porous and semi-porous encapsulated materials are deemed non-friable asbestos contaminated materials and must be removed and disposed as such.

Extent of contaminated areas can be found in Figures in Attachment 3.

4.2 Synthetic Mineral Fibres (SMF)

SMF containing material were found in all buildings and generally consisted of:

- Synthetic Mineral Fibre (SMF) – internal insulation of hot water systems.
- Synthetic Mineral Fibre (SMF) – internal foil backed insulation in ceiling cavities.
- Synthetic Mineral Fibre (SMF) – pipe lagging on hot water and service lines and AC duct work (ceiling cavities and subfloors)

4.3 PolyChlorinated Biphenyls (PCBs)

All light fittings internally appear to be new, which were assessed as not likely to contain PCBs.

4.4 Lead Containing Paint

Sixteen (12) samples of paint were collected and submitted for lead analysis. All samples returned lead concentrations above 0.1% and, therefore, were confirmed as lead containing paint. Details of paint systems can be found within targeted survey Hazmat register in Attachment 1.

4.5 Lead Containing Dust

Six (3) samples of dust were collected and submitted for lead analysis. Five (3) samples returned lead concentrations above nominated levels of 4.3mg/m². All samples were taken from ceiling cavities through some of the buildings. Were friable asbestos was known to exist within ceiling cavities, lead in dust samples were not taken. Details of lead in dust locations can be found within the targeted survey Hazmat register in Attachment 1.

5 Recommendations

All management principles should reflect the contractors Hazmat procedural processes when safely and effectively dealing with Hazmat.

5.1 Asbestos

Based on the findings of this hazardous materials survey, the recommendations regarding ACM are:

- ACM that has been identified in this survey must be removed prior to the commencement of demolition works.
- When asbestos removal works are to be undertaken, the person that commissions the works must ensure that this is undertaken by an appropriately licensed asbestos removal contractor. The asbestos removal works must be conducted under controlled asbestos removal working conditions in accordance with SafeWork NSW, How to Safely Remove Asbestos, Code of Practice, August 2019.
- A licensed asbestos assessor who is independent of the asbestos contractor must be engaged to provide asbestos air monitoring, visual clearances and any other requirement as outlined in SafeWork NSW, How to Safely Remove Asbestos, Code of Practice, August 2019.
- Detailed removal requirements will be outlined in a scope of work document compiled by ENV.

5.2 Synthetic Mineral Fibres (SMF)

Un-bonded (friable) or bonded SMF that has severely deteriorated has the potential of becoming airborne. Health effects that may occur with exposure to certain SMF materials include; irritation of the skin, eyes and upper respiratory tract. As such removal is the preferred option if such materials were found in accessible areas or air conditioning systems.

The selection of the most appropriate control measure should be determined from risk assessments and detailed knowledge of the workplace and activities. The following general principles may be applied:

- If the SMF is un-bonded (friable) or deteriorated, in a poor/unstable condition and accessible with risk to health from exposure, immediate access restrictions should be applied, and removal is required as soon as practicable;
- If the SMF is un-bonded (friable) or deteriorated, in a poor/unstable condition but in inaccessible areas (i.e. Ceiling space), removal is preferred. However, if removal is not immediately practicable, short-term control measures (i.e. restrict access, or provide personal protective equipment to personnel required to access the area etc.) may be employed until removal can be facilitated;
- If the SMF is bonded and in a poor/unstable condition; minimising disturbance and removal or encapsulation may be appropriate controls; and
- Prior to any demolition, partial demolition, renovation or refurbishment, synthetic mineral fibre materials likely to be disturbed by those works should be removed in accordance with the NOHSC Code of Practice for the Safe Use of Synthetic Mineral Fibres [NOHSC:2006 (1990)].

Further assessment of risk through airborne fibre monitoring can assist with decisions on the most appropriate, and urgency of, control measures.

5.3 Polychlorinated biphenyls (PCBs)

No PCBs were identified during the survey.

5.4 Lead Paint Systems

Any paint-based lead reported to have exceeded the adopted guideline of 0.1% should be adequately managed in accordance with the AS 4361.1— *2017 Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications* document, AS 4361.2— 2017 *Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings* document.

5.5 Residual Lead in Dust

Any residual lead in dust reported to have exceeded the adopted guidelines (Table 2) should be adequately managed in accordance with the AS 4361.1— 2017 Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications as well as the AS 4361.2— 2017 Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings. Should air monitoring be required, work should be

undertaken in accordance with AS3640-2009 Workplace atmospheres - Method for sampling and gravimetric determination of inhalable dust and assessed against Safe Work Australia Workplace Exposure Standards for Airborne Contaminants (2013).

6 Definitions

Airborne asbestos:	Any fibres of asbestos small enough to be made airborne. For the purposes of monitoring airborne asbestos fibres, only respirable fibres are counted.
Asbestos:	The asbestiform varieties of mineral silicates belonging to the serpentine or amphibole groups of rock forming minerals, including actinolite asbestos, grunerite (or amosite) asbestos (brown), anthophyllite asbestos, chrysotile asbestos (white), crocidolite asbestos (blue) and tremolite asbestos or a mixture of any of these.
Asbestos containing material:	Any material or thing that, as part of its design, contains asbestos.
Asbestos-contaminated dust or debris (ACD):	Dust or debris that has settled within a workplace and is (or is assumed to be) contaminated with asbestos.
Asbestos-related work:	Work involving asbestos (other than asbestos removal work to which Part 8.7 of the WHS Regulations applies) that is permitted under the exceptions set out in Regulation 419(3), (4) and (5).
Asbestos removalist:	Work involving asbestos (other than asbestos removal work to which Part 8.7 of the WHS Regulations applies) that is permitted under the exceptions set out in Regulation 419(3), (4) and (5).
Asbestos removal work:	▪ Work involving the removal of asbestos or ACM ▪ Class A asbestos removal work or Class B asbestos removal work as outlined in Part 8.10 of the WHS Regulations.

Competent person:	In relation to carrying out clearance inspections under Regulation 473, means a person who has acquired through training or experience, the knowledge and skills of relevant asbestos removal industry practice and holds a certification in relation to the specified VET course for asbestos assessor work or a tertiary qualification in occupational health and safety, occupational hygiene, science, building, construction or environmental health. For all other purposes, competent person means a person who has acquired through training, qualification or experience, the knowledge and skills to carry out the task.
Exposure standard:	For asbestos, is a respirable fibre level of 0.1 fibres/ml of air measured in a person's breathing zone and expressed as a time weighted average fibre concentration calculated over an eight-hour working day and measured over a minimum period of four hours in accordance with: ▪ the Membrane Filter Method; ▪ a method determined by the relevant regulator.
Friable asbestos:	Means material that is in a powder form or that can be crumbled, pulverised or reduced to a powder by hand pressure when dry, and contains asbestos.
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals.
Licensed asbestos assessor:	A person who holds an asbestos assessor licence.
Licensed asbestos removalist:	A person conducting a business or undertaking who is licensed under the WHS Regulations to carry out Class A or Class B asbestos removal work.

Naturally occurring asbestos (NOA):	The natural geological occurrence of asbestos minerals found in association with geological deposits including rock, sediment or soil.
Non-friable asbestos:	Material containing asbestos that is not friable asbestos, including material containing asbestos fibres reinforced with a bonding compound.
Respirable asbestos:	An asbestos fibre that: ▪ is less than 3-micron metres (µm) wide; ▪ more than 5-micron metres (µm) long; ▪ has a length to width ratio of more than 3:1.

7 HAZMAT Information

7.1 Concealed Asbestos

7.1.1 Heater Banks

Ducted air conditioning systems generally have heater banks contained within the duct-work near the air-handling plant. These are used to control the temperature of the cooled air. Where possible these are identified during an assessment, and, are tested for asbestos materials.

However, depending on the design of the air conditioning system, this duct-work may be installed within the ceiling or roof space and therefore may not be easily accessible.

7.1.2 Sprayed Fire Proofing Material

To protect steel members in case of fire, it was commonplace to spray structural steel members with an asbestos material. This protected the steel member from heat damage.

This structural steel may be located within the building structure and not be readily accessible. Identifying the presence of sprayed asbestos material can be difficult.

No guarantee can be given that the assessment has identified all such material.

7.1.3 Pipe Lagging

Depending on the nature of the building and its former use, there may be or may have been, steam and hot water pipes. Steam and hot water pipes within buildings are generally lagged with insulation material to conserve heat. In older buildings, this lagging may contain asbestos due to its insulating properties.

7.1.4 Underground Conduits & Pipes

Manholes, pits and conduits hold communication and electrical cable. Older conduits and pits may contain fibre cement materials with fibres made up of either asbestos or cellulose.

The most likely scenario for disturbance of potential or actual ACM will be during maintenance and upgrade of the in-ground network infrastructure consisting of non-plastic pits and conduits.

Asbestos piping was also historically used in underground water and sewer services. These assets may be concealed and therefore difficult to detect during an Asbestos Assessment.

7.1.5 Electrical Fuse Insulation

A past practice was to insulate the inside of commercial/industrial type fuses and meter boards with an asbestos material. This material is concealed within the electrical fuse holder.

It is recommended that when work is planned to be conducted on the electrical fuse panels, the electrical trades person shall provide the fuses to ENV for analysis of the material for asbestos content prior to any works being conducted.

7.2 Assessment Factors for SMF

Risk assessment factors for Synthetic Mineral Fibre is very similar for asbestos products, where evidence of damage, accessibility, likelihood of disturbance etc is used when assessing SMF materials. Similarly, SMF condition, accessibility and risk status headings used above for asbestos can be applied to SMF materials. There are two basic forms of SMF insulation, bonded and un-bonded.

7.2.1 Bonded SMF

Bonded SMF is where adhesives or cements have been applied to the SMF before delivery and the SMF product has a specific shape.

7.2.2 Un-bonded SMF

Un-bonded SMF has no adhesives or cements and the SMF is loose material packed into a package.

Removal of bonded materials is easier and less hazardous than removal of un-bonded SMF material.

7.3 Risk Assessment Factors for Polychlorinated Biphenyls

PCB containing ballasts were banned in 1976. Generally most fluorescent lights installed prior to 1976 have been now changed, apart from lights in store rooms and undercroft areas which are rarely used.

PCBs can enter the body in three ways:

- By swallowing contaminated food or drink.
- By absorption through the skin.

- By inhaling the vapour. However, vapour concentrations at room temperature are not significant.

Once the PCBs are in the body, they tend to lodge in the body fat and stay there for a considerable time. The very stability which makes them such useful materials prevents the body from eliminating them quickly.

Whatever the method of entry, excessive body contamination can cause long term health problems with the skin, eyes, hair and liver. PCBs are listed as a carcinogenic substance

7.3.1 The handling and disposal of PCBs

PCB containing equipment (capacitors, ballasts, etc.) is to be placed in a polyethylene bag which then is to be placed in a sealable metal container. This container must be clearly marked with the details of the contents and must be maintained in good order (that is, no visible signs of damage or corrosion). If some of these materials are leaking, the container should be partially filled with an absorbent material, such as a commercial absorbent, kitty litter or a diatomaceous earth. The plastic wrapped leaking components can then be placed in the container

The PPE should be worn when removing capacitors from light fittings in case Polychlorinated Biphenyls material leaks from the capacitor housing. Generally, metal-cased capacitors contain PCBs. Plastic–cased capacitors usually do not.

However, all leaking capacitors should be treated as if they contain PCBs unless proven otherwise. PCB containing ballasts should be segregated, transported and disposed of in accordance with the *Polychlorinated Biphenyl (PCB) Chemical Control Order 1997.*

7.4 Risk Assessment Factors for Lead Paint

Lead paint, as defined by Australian Standard AS4361.2 – 1998 Guide to Lead Paint Management – Part 2: Residential and Commercial Property's, is that which contains more than 0.1% lead by weight.

Lead carbonate (white lead) was once the main white pigment in paints for houses and public property. Paint with lead pigment was manufactured up until the late 1960's, and in 1969 the National Health and Medical Research Council's Uniform Paint Standard was amended to restrict lead content in domestic paint. Lead in any form is toxic to humans when ingested or inhaled, with repeated transmission of particles cumulating in lead poisoning.

Lead paint is assessed based on two potential routes of exposure. Firstly, by the likelihood of inhalation or ingestion by people working near the paint and secondly, by the condition of the

paint. Paint that is flaking or in poor condition is more likely to be ingested than paint that is in a good, stable condition.

8 References

- AS 4361.1— 2017 Guide to hazardous paint management. Part 1: Lead and other hazardous metallic pigments in industrial applications.
- AS 4361.2— 2017 Guide to hazardous paint management. Part 2: Lead paint in residential public and commercial buildings.
- Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres: 2nd Edition [NOHSC: 3003 (2005).
- New South Wales Work Health and Safety Regulation 2017 AS 4361.1— 2017 Guide to hazardous paint management. Part 1: Lead and other metallic pigments in industrial applications.
- SafeWork NSW Code of Practice How to Manage and Control Asbestos in the Workplace (August 2019).
- Safe Work Australia, Workplace Exposure Standards For Airborne Contaminants (18 April 2013).
- Work Health and Safety Regulations 2011 (Chapter 8 – Asbestos) (As Amended 21 December 2012)
- National Occupational Health and Safety Commission, *Code of Practice for the management and control of asbestos in workplaces* (NOHSC:2018), April 2005.
- National Code of Practice for the safe use of Synthetic Mineral Fibres [NOHSC: 2006(1990)].

9 Attachments

Attachment 1	Targeted Survey Hazmat Register (includes PES 2017 Asbestos Register)
Attachment 2	Photographs (PES – 2017 and ENV – 2022)
Attachment 3	Figures
Attachment 4	Laboratory Results

ATTACHMENT 1

Targeted Survey Hazmat Register (includes PES 2017 Asbestos Register)

BUILDING MN06 - Pharmacy																													
7/11/2017	PES	Manning Rural Referral Hospital	Pharmacy	Ground Floor	MN0600012	Wall lining (up to 1.7m)	Flat Fibre Cement Sheet		NO	PS	Chrysotile	4m²	4	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile	Very Low 4	C1; C2; C3; C4;	Manage in-situ	7/11/2022	David McQueeney	Noted in Register	7/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pharmacy	Basement	Subfloor	Fragments and pier packers.	Flat Fibre Cement Sheet		No	Refer to PM02	Chrysotile	5m2	5	Non Friable 1	Flat Fibre Cement Sheet 1	No Access 0	Labelled 0	High Damage 3	Chrysotile	Very Low 5	C1; C2; C3; C4;	Restrict access, remediate	7/11/2022	David McQueeney	Noted in Register	7/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pharmacy	Basement	Subfloor	Soil Surface	Thermal Insulation debris to pipework		No	PM01	Amosite	>50m2	6	Friable 2	Thermal Insulation to pipework 3	Limited Access 1	Labelled 0	High Damage 3	Amosite	9 Medium	C1; C2; C3; C4; C10, C11 & C12	Restrict access, remediate.	7/11/2022	David McQueeney	Noted in Register	7/11/2017		No			Previously sampled and confirmed positive

Survey Details		Site Location				Site Description		Sample Details						Risk Assessment Algorithm										Corrective Action			
Survey Date	Assessed by Company / Consultant	Workplace Name	Building	Floor	Room	Location	Application	Hazmat type	Assumed Hazmat (Yes/No)	Sample ID	Sample results	Quantity (sqm)	ENV Photo id	A. Asbestos classification	B. Product Type	C. Accessibility	D. Labelled	E. Condition	Hazmat Type (non mandatory)	Risk Rating	Control Measures	Comments / Details	Reinspection Date	Consultant/ Hygienist Name	Control Action Taken	Date actioned	Contractor details
BUILDING MN06 - Pharmacy																											
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ground floor	All exterior	Eaves	Flat Fibre Cement Sheet	Asbestos	No	AS10-4	NAD	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	Above hallway	Ceiling cavity surfaces	Dust	Asbestos	No	AS10-5	Chrysotile, Amosite & Crocidolite	All ceiling cavity	2	Friable 2	Loose fibres 3	Moderate access 2	No Labelling 1	High Damage 3	Chrysotile, Amosite & Crocidolite	11 Medium	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	North	Ceiling cavity surfaces	Dust	Lead in dust	No	DS10-4	5mg/m² (>4.3mg/m²)	All ceiling cavity	3	Friable 2	Dust 2	Moderate Access 2	No Labelling 1	High Damage 3	>4.3mg/m²	Medium 10	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	Middle	Ceiling cavity surfaces	Dust	Lead in dust	No	DS10-5	21mg/m² (>4.3mg/m²)	All ceiling cavity	4	Friable 2	Dust 2	Moderate Access 2	No Labelling 1	High Damage 3	>4.3mg/m²	Medium 10	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	South side	Ceiling cavity surfaces	Dust	Lead in dust	No	DS10-6	7mg/m² (>4.3mg/m²)	All ceiling cavity	5	Friable 2	Dust 2	Moderate Access 2	No Labelling 1	High Damage 3	>4.3mg/m²	Medium 10	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ground floor	All exterior	External frames brown paint	Paint	Lead in paint	No	Pb10-5	1.926% (>0.1%)	TBA	6	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ground floor	All interior	Door frames white paint	Paint	Lead in paint	No	Pb10-6	9.072% (>0.1%)	TBA	7	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ground Floor - External	Eastern side	Eastern side	Metal encased hot water system	SMF	Yes	-	-	TBA	8	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	All rooms	Under roof sheets	Foil backed SMF insulation to roof	SMF	Yes	-	-	TBA	9	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
10/02/2022	ENV	Manning Rural Referral Hospital	Pharmacy	Ceiling cavity	All rooms	Within roof space	Foil backed SMF insulation to AC duct work	SMF	Yes	-	-	TBA	10	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA

Survey Details		Site Location				Site Description		Sample Details						Risk Assessment Algorithm											Corrective Action				ENV Inspection Sample Details			
Survey Date	Assessed by Company / Consultant	Workplace Name	Building	Floor	Room	Location	Application	Hazmat type	Assumed Asbestos (Yes/No)	Sample ID	Sample results	Quantity (sqm)	PES Photo id	A. Asbestos classification	B. Product Type	C. Accessibility	D. Labelled	E. Condition	Asbestos Type (non mandatory)	Risk Rating	Control Measures	Comments / Details	Reinspection Date	Consultant/ Hygienist Name	Control Action Taken	Date actioned	Contractor details	Sampled (yes/No)	Sample ID	Sample Result	Comment
BUILDING - Pathology																															
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	External	External	Eave soffit lining	Flat Fibre Cement Sheet	Asbestos	No	"Sample 8"	Chrysotile, Amosite & Crocidolite	8m²	1	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile, Amosite & Crocidolite	Very Low 3	C1; C2; C3; C4.	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	External	Near entrance to subfloor.	Fragments	Flat Fibre Cement Sheet	Asbestos	No	Refer to "Sample 8"	Chrysotile	<1m²	2	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Medium Damage 2	Chrysotile	Very Low 6	C2; C4; C14; C15.	Removal recommend	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Debris removed
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	External	External	Gable end tile support strip	Flat Fibre Cement Sheet	Asbestos	No	Refer to "Sample 8"	Chrysotile	8m²	3	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile	Very Low 3	C1; C2; C3; C4.	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		Yes	AS14-2	Chrysotile	Confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ceiling void	All	Pipe	Thermal Insulation to pipework	Asbestos	No	"Sample 6"	Amosite	1m²	4	Friable 2	Thermal Insulation to pipework 3	Limited Access 1	Labelled 0	High Damage 3	Amosite	Medium 9	C1; C2; C3; C4; C9; C12; C13.	Keep ceiling space isolated until a full clean-up and clearances achieved.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		Yes	AS14-12	Amosite	Confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ceiling void	Above Room 00011	water tank	Moulded Fibre Cement	Asbestos	N	PL03	Chrysotile	5m²	5	Non Friable 1	Moulded Fibre Cement 1	No Access 0	Labelled 0	Good condition 0	Chrysotile	Very Low 2	C1; C2; C3; C4.	Good condition, manage in-situ.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ceiling void	Above Storage Room 00014)	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	N	PL04	Chrysotile & Amosite	1m²	6	Non Friable 1	Flat Fibre Cement Sheet 1	No Access 0	Labelled 0	Low Damage 1	Chrysotile & Amosite	Very Low 3	C1; C2; C3; C4; C8.	Fair condition, some damage	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ceiling void	MN070008	Fragments	Flat Fibre Cement Sheet	Asbestos	No	Refer to "Sample 7"	Chrysotile	>1	7	Non Friable 1	Flat Fibre Cement Sheet 1	No Access 0	Not Labelled 1	Low Damage 1	Chrysotile	Very Low 4	C2; C3; C4; C14; C15.	Good condition, manage in-situ.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	Ceiling void above MN0700008	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	"Sample 7"	Chrysotile	24m²	8	Non Friable 1	Flat Fibre Cement Sheet 1	No Access 0	Labelled 0	Low Damage 1	Chrysotile	Very Low 3	C1; C2; C3; C4.	Good condition, manage in-situ.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	Ceiling void above MN0700008	Eave soffit lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to "Sample 8"	Chrysotile	20m²	9	Non Friable 1	Flat Fibre Cement Sheet 1	No Access 0	Labelled 0	Good condition 0	Chrysotile	Very Low 2	C1; C2; C3; C4.	Good condition, manage in-situ.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	MN0700008 (Microbiology)	Floor	Vinyl Floor Tiles	Asbestos	No	"Sample 3"	Chrysotile	24m²	10	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	MN0700015	Floor	Vinyl Floor Tiles	Asbestos	No	"Sample 5"	Chrysotile	8m²	11	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	MN0700015	Floor	Vinyl Floor Tiles	Asbestos	No	"Sample 9"	Chrysotile	8m²	12	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	MN0700015	Floor	Vinyl Floor Tiles	Asbestos	No	"Sample 4"	Chrysotile	8m²	13	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	MN0700015	Floor	Vinyl Floor Tiles	Asbestos	No	"Sample 7"	Chrysotile	24m²	14	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4.	Decorative weatherboard-style panels.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	Tiled area in MN0700018	Floor	Vinyl Floor Tiles	Asbestos	No	Refer to PL01	Chrysotile	6m²	15	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	Labelled 0	Low Damage 1	Chrysotile	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
7/11/2017	PES	Manning Rural Referral Hospital	Pathology	Ground Floor	Tiled corridor off MN0700015 (specimen reception area)	Floor	Vinyl Floor Tiles	Asbestos	No	PL01	Chrysotile	6m²	16	Non Friable 1	Vinyl Floor Tiles 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile	Very Low 5	C1; C2; C3; C4.	Good condition, manage in-situ.	7/11/2022	David McQueeney	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Subfloor	Near entrance & below	Soil	Thermal Insulation to pipework	Asbestos	No	PL06, 07, 08 & 09.	Amosite	>100 m²	17	Friable 2	Thermal Insulation to pipework 3	Limited Access 1	Labelled 0	High Damage 3	Amosite	Medium 9	C2; C3; C4; C10C11 C12 C14.	Poor condition , keep subfloor isolated& sealed.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive
8/11/2017	PES	Manning Rural Referral Hospital	Pathology	Subfloor	Near Entrance to subfloor	Soil	Flat Fibre Cement Sheet	Asbestos	No	Refer to PL09	Amosite	9m²	18	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	High Damage 3	Amosite	Very Low 6	C1; C2; C3; C4; C10, C12 C14.	Fragments located, some.	8/11/2022	Nick Milligan	Noted in Register	8/11/2017		No			Previously sampled and confirmed positive

Survey Details		Site Location				Site Description		Sample Details						Risk Assessment Algorithm										Corrective Action			
Survey Date	Assessed by Company / Consultant	Workplace Name	Building	Floor	Room	Location	Application	Hazmat type	Assumed Hazmat (Yes/No)	Sample ID	Sample results	Quantity (sqm)	ENV Photo id	A. Asbestos classification	B. Product Type	C. Accessibility	D. Labelled	E. Condition	Hazmat Type (non mandatory)	Risk Rating	Control Measures	Comments / Details	Reinspection Date	Consultant/ Hygienist Name	Control Action Taken	Date actioned	Contractor details
BUILDING MN07 - PATHOLOGY																											
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	Outside entry	Extenal windows	Window putty	Asbestos	No	AS14-1	NAD	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Subfloor	Demountable	Ground surface	Debris	Asbestos	No	AS14-3	NAD	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700002	Behind VFT skirt	Adhesive	Asbestos	No	AS14-4	NAD	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700006	Under VFT on slab	Adhesive	Asbestos	No	AS14-5	NAD	NA	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700015	Under VFT on slab	Adhesive	Asbestos	No	AS14-6	NAD	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700023	Under Peach VFT on slab	Adhesive	Asbestos	No	AS14-7	NAD	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	Haematology - Serology	Brick entry door	Packers	Asbestos	No	AS14-8	NAD	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700006	Bench lining under sink	Brittle Lino	Asbestos	No	AS14-9	NAD	NA	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700030	VFT under Lino	VFT	Asbestos	No	AS14-10	NAD	NA	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ceiling cavity	Adjacent manhole	Ceiling surface	Lagging debris	Asbestos	No	AS14-11	Chrysotile, Amosite & Crocidolite	All ceiling cavity	10	Friable 2	Thermal insulation 3	Moderate access 2	No Labelling 1	High Damage 3	Chrysotile, Amosite & Crocidolite	11 Medium	C15	Remove	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	External	Extenal windows	White paint	Lead	No	Pb14-1	3.048% (>0.1%)	TBA	11	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	External	External down pipes	Red paint	Lead	No	Pb14-2	1.237% (>0.1%)	TBA	12	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	Internal	Undercoat to walls	Paint	Lead	No	Pb14-3	0.210% (>0.1%)	TBA	13	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	Internal	Timber trims	Paint	Lead	No	Pb14-4	0.177% (>0.1%)	TBA	14	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ground floor	MN0700014	Cleaners Store	Metal encased hot water system	SMF	Yes	-	-	TBA	15	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	NA	NA	Jake Rozyn	NA	NA	NA
14/02/2022	ENV	Manning Rural Referral Hospital	Pathology	Ceiling cavity	All rooms	Under roof tiles	Foil backed SMF insulation to roof	SMF	Yes	-	-	TBA	16	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	NA	NA	Jake Rozyn	NA	NA	NA

Survey Details		Site Location				Site Description		Sample Details						Risk Assessment Algorithm										Corrective Action					ENV Inspection Sample Details			
Survey Date	Assessed by Company / Consultant	Workplace Name	Building	Floor	Room	Location	Application	HAZMAT Type	Assumed Asbestos (Yes/No)	Sample ID	Sample results	Quantity (sqm)	PES Photo id	A. Asbestos classification	B. Product Type	C. Accessibility	D. Labelled	E. Condition	Asbestos Type (non mandatory)	Risk Rating	Control Measures	Comments / Details	Reinspection Date	Consultant/ Hygienist Name	Control Action Taken	Date actioned	Contractor details		Sampled (yes/No)	Sample ID	Sample Result	Comment
BUILDING MN08 - Victoria Fever Ward																															
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	External	Below south entrance ramp	Infill panels	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 19	Chrysotile & Amosite	1m²	1	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	No Labelling 1	Low Damage 1	Chrysotile & Amosite	Very Low 5	C1; C2; C3; C4; C8;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-3	Chrysotile	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	External	South-east extension	External wall cladding	Flat Fibre Cement Sheet	Asbestos	No	Sample 19	Chrysotile & Amosite	90m²	3	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 4	C1; C2; C3; C4;	good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No	AS15-4	Chrysotile	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	External	South-east extension	Batons/ cover strips	Moulded Fibre Cement	Asbestos	No	Refer to Sample 19	Chrysotile & Amosite	10m²	2	Non Friable 1	Moulded Fibre Cement 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 4	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-2	Chrysotile	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	External	Southern elevation (outside Room MN0800008)	Wall cladding	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 19	Chrysotile & Amosite	9m²	4	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	No Labelling 1	Good condition 0	Chrysotile & Amosite	Very Low 5	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-1	NAD	Sheeting directly around door - NAD. Sheeting and capping strips surrounding window positive for Chrysotile
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800006	Electrical switchboard	Flat Fibre Cement Sheet	Asbestos	Yes	SP	Regarded as Asbestos containing	1m²	5	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Presumed Asbestos	Very Low 3	C1; C2; C3; C4;	Good condition, manage in-situ	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ceiling Void	Ceiling void accessed above MN0800006	Lagging residue to pipe work	Thermal Insulation to pipework	Asbestos	No	Sample 21*	Amosite	10lin m	6	Friable 2	Thermal Insulation to pipework 3	Limited Access 1	Not Labelled 1	Medium Damage 2	Amosite	Medium 9	C1; C2; C4; C10C12	Restrict access, consider remediation	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-18	NAD	Previous sampling has identified friable asbstos (amosite) and no remediation works has been completed since.
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Cupboard off MN0800008	Fragments	Flat Fibre Cement Sheet	Asbestos	No	SP	Chrysotile	>1m²	7	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Low Damage 1	Chrysotile	Very Low 4	C2; C14 C15	Consider removal	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Ramp off Room MN0800002	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	8m²	8	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-8	Chrysotile	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800002	Wall lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	12m²	9	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 4	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-7	NAD	Previosuly assumed positive, however, NAD.
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800008 and 00014	Wall lining	Flat Fibre Cement Sheet	Asbestos	No	Sample 22	Amosite	12m²	10	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Low Damage 1	Amosite	Very Low 5	C1; C2; C4; C8;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800009	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	VW02	Chrysotile	3m²	11	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	No Labelling 1	Good condition 0	Chrysotile	Very Low 4	C1; C2; C3; C4;	Good condition, manage in-situ. Only remove fan under controlled conditions.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800010	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	6m²	13	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			Yes	AS15-9	Chrysotile, Amosite & Crocidolite	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800010	Batons / cover strips	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	4lin m	12	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800011	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Sample 20	Chrysotile, Amosite & Crocidolite	10m²	14	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	No Labelling 1	Good condition 0	Chrysotile, Amosite & Crocidolite	Very Low 4	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800011	Wall lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	12m²	15	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Low Damage 1	Chrysotile & Amosite	Very Low 4	C1; C2; C4; C8;	Mostly covered by timber wall lining, generally in good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800012	Batons / cover strips	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	4lin m	16	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C3; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800012	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	3m²	17	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800013	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	3m²	18	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800014	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	12m²	19	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800014	Wall lining	Flat Fibre Cement Sheet	Asbestos	No	VW03	Chrysotile	38m²	20	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile	Very Low 4	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800015	Ceiling lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	12m²	21	Non Friable 1	Flat Fibre Cement Sheet 1	Limited Access 1	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 3	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	8/11/2022			Yes	AS15-10	Chrysotile	
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800015	Wall lining	Flat Fibre Cement Sheet	Asbestos	No	Refer to Sample 20	Chrysotile & Amosite	20m²	22	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 4	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017			No			
8/11/2017	PES	Manning Rural Referral Hospital	Victoria Fever Ward	Subfloor	Subfloor	Pier Packers	Flat Fibre Cement Sheet	Asbestos	Yes	Refer to Sample 20	Chrysotile & Amosite	5m²	23	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile & Amosite	Very Low 4	C1; C2; C4;	Good condition, manage in-situ.	8/11/2022	David McQueeney	Noted in Register	7/11/2017						

Survey Details		Site Location				Site Description		Sample Details						Risk Assessment Algorithm										Corrective Action			
Survey Date	Assessed by Company / Consultant	Workplace Name	Building	Floor	Room	Location	Application	HAZMAT Type	Assumed Hazmat (Yes/No)	Sample ID	Sample results	Quantity (sqm)	ENV Photo id	A. Hazmat classification	B. Product Type	C. Accessibility	D. Labelled	E. Condition	Hazmat Type (non mandatory)	Risk Rating	Control Measures	Comments / Details	Reinspection Date	Consultant / Hygienist Name	Control Action Taken	Date actioned	Contractor details
BUILDING MN08 - Victoria Fever Ward																											
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Roof	Above old build	Corrugated tin roof sheets	Mastic	Asbestos	No	AS15-5	NAD	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Roof	Above old build	External infill panels to ceiling cavity	Flat Fibre Cement Sheet	Asbestos	No	AS15-6	NAD	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	External - Outside MN0800014	Windows	Window Putty	Asbestos	No	AS15-7.1	NAD	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800016	Floor	Lino Paper Backing	Asbestos	No	AS15-11	NAD	NA	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room MN0800015	Floor	Blue Speckled Lino	Asbestos	No	AS15-12	NAD	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room Outside MN0800015 & 16	Floor	Blue Lino	Asbestos	No	AS15-13	NAD	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Room Outside MN0800015 & 16	Windows	Internal Window Putty	Asbestos	No	AS15-14	NAD	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Outside MN0800009	Wall Lining	Flat Fibre Cement Sheet	Asbestos	No	AS15-15	Chrysotile	3m²	8	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	Labelled 0	Good condition 0	Chrysotile	Very Low 4	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800008	Floor	Paper Backing to Lino Under Lino	Asbestos	No	AS15-16	Chrysotile	30m²	9	Friable 2	Asbestos Paper 2	Limited Access 1	No Labelling 1	Low Damage 1	Chrysotile	Low 7	C15	Hidden vinyl with ACM backing may be in other areas	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800015	Kitchen Sink	Black Insulation Under Sink	Asbestos	No	AS15-17	NAD	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800016	Ceiling (above ceiling tiles)	Flat Fibre Cement Sheet	Asbestos	No	AS15-20	NAD	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	NE room of old build	Northern wall behind gyprock	Flat Fibre Cement Sheet	Asbestos	No	AS15-21	Chrysotile	20m² +	12	Non Friable 1	Flat Fibre Cement Sheet 1	Moderate Access 2	No Labelling 1	Low Damage 1	Chrysotile	Very Low 6	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Roof	Above old build - Ext	Roof	Paint	Lead Paint	No	Pb15-1	0.357% (>0.1%)	TBA	13	Non Friable 1	Paint 1	Limited Access 1	No Labelling 1	Low Damage 1	>0.1% Lead	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Roof	Above old build - Ext	Fascia Board	Paint	Lead Paint	No	Pb15-2	6.71% (>0.1%)	TBA	14	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	External - Outside MN0800014	Window	Paint	Lead Paint	No	Pb15-3	0.502% (>0.1%)	TBA	15	Friable 2	Paint 1	Moderate Access 2	No Labelling 1	Medium Damage 2	>0.1% Lead	Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Internal painted wall brickwork	Wall	Paint	Lead Paint	No	Pb15-4	0.909% (>0.1%)	TBA	16	Non Friable 1	Paint 1	Limited Access 1	No Labelling 1	Low Damage 1	>0.1% Lead	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	Internal paint to timber door frames	Door frames	Paint	Lead Paint	No	Pb15-5	7.231% (>0.1%)	TBA	17	Non Friable 1	Paint 1	Limited Access 1	No Labelling 1	Low Damage 1	>0.1% Lead	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Hidden ceiling	Above MN0800006	Corrugated tin ceiling hidden	Paint	Lead Paint	No	Pb15-6	7.020% (>0.1%)	TBA	18	Friable 2	Paint 1	Limited Access 1	No Labelling 1	High Damage 3	>0.1% Lead	Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Roof	Old build	Ridges	Flashing	Lead	Yes	-	-	TBA	19							Low 8	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800008 Cupboard in hallway	Metal encased hot water system	Insulation	SMF	Yes	-	-	TBA	20	Friable 2	Insulation 1	No Access 0	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800017	Ceiling	Tiles	SMF	Yes	-	-	TBA	21	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800018	Ceiling	Tiles	SMF	Yes	-	-	TBA	22	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA
15/02/2022	ENV	Manning Rural Referral Hospital	Victoria Fever Ward	Ground Floor	MN0800003	Ceiling	Tiles	SMF	Yes	-	-	TBA	23	Non Friable 1	Insulation 1	Limited Access 1	No Labelling 1	Low Damage 1	SMF	Very Low 5	C15	Remove	NA	Jake Rozyn	NA	NA	NA

ATTACHMENT 2

Photographs (PES – 2017 and ENV – 2022)

Pharmacy

Photo No. 010: Pharmacy

The Flat Fibre Cement Sheet eave soffit lining was previously tested and **proved NOT to be an asbestos containing material**

Photo No. 0112: Pharmacy Ceiling Cavity

The thermal insulation "lagging" debris to pipework in the ceiling cavity was remediated and has now **proved NOT to be asbestos containing.**

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

PHOTOGRAPHS

Photo 1:

AS10 – 4: No asbestos detected

Photo 2:

AS10 – 5: Chrysotile, Amosite and Crocidolite asbestos detected

Photo 3:

DS10 – 4: >4.3mg/m^2

Photo 4:

DS10 – 5: >4.3mg/m^2

Photo 5:

No Photo

DS10 – 6: >4.3mg/m^2

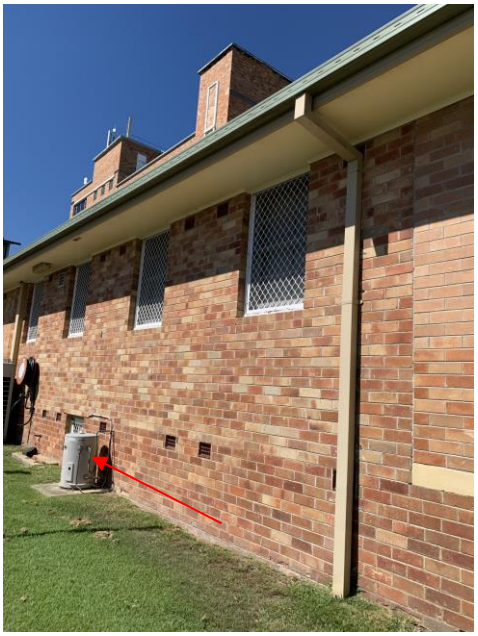
Photo 6:

PB10 – 5: >0.1%

Photo 7:

PB10 – 6: >0.1%

Photo 8:

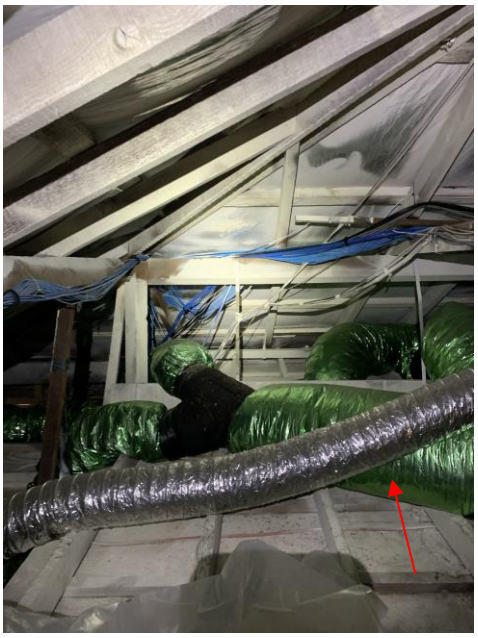


SMF: Hot water system insulation

Photo 9:

SMF: Foil back insulation

Photo 10:



SMF: Foil back insulation

Manning Rural Referral Hospital - Pathology

Photo No. 001: External

The FFCS eave soffit lining was previously tested by others and **proved to be an asbestos containing material**

Photo No. 002: External

The FFCS fragments outside the building (near the subfloor entrance) were referred to sample 8 from the previous register **and SHALL be regarded as an asbestos-containing material**

Photo No. 003: External

The FFCS gable end tile support strip was referred to the previous sample 8 **and SHALL be regarded as an asbestos-containing material**

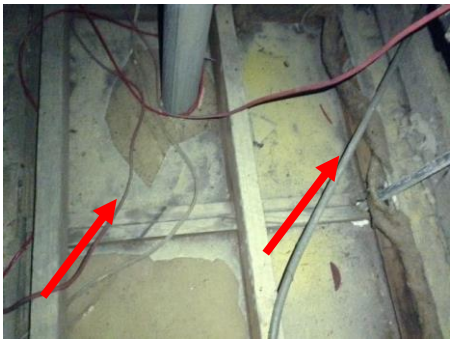
Photo No. 004: Ceiling Void

The thermal insulation "lagging" debris to pipework in the ceiling void was previously tested by others and **proved to be an asbestos containing material**

Photo No. 005: Ceiling Void

The Moulded Fibre Cement water tank and berm within the ceiling void was tested and **proved to be an asbestos containing material**

Photo No. 006: Ceiling Void (Above Storage Room)

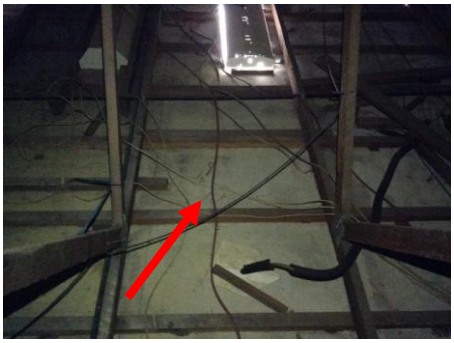


The FFCS ceiling lining in the ceiling void (above storage room – Room 00014) was tested and **proved to be an asbestos containing material**

Photo No. 007: Ceiling Void (MN070007)

The Flat Fibre Cement Sheet ceiling lining to the ceiling void (MN070007) was referred to sample 8 **and SHALL be regarded as an asbestos-containing material**

Photo No. 008: Ceiling Void Above MN0700007



The FFCS ceiling lining to the ceiling void above MN0700007 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 009: Ground Floor ceiling void above MN0700007

The FFCS eave soffit to the ceiling void above MN0700007 was referred to previously tested sample 8 **and SHALL be regarded as an asbestos-containing material**

Photo No. 010: Ground Floor MN0700007 (Microbiology)

The grey white VFTs to MN0700007 (Microbiology) were previously tested by others and **proved to be an asbestos-containing material**

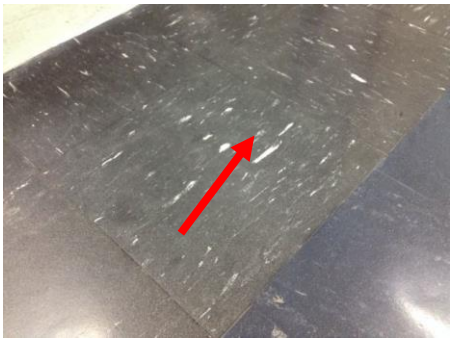
Photo No. 011: Ground Floor MN0700015

The blue VFTs to MN0700015 were previously tested by others and **proved to be an asbestos-containing material**

Photo No. 012: Ground Floor MN0700015

The VFTs to MN0700015 were previously tested by others and **proved to be an asbestos-containing material**

Photo No. 013: Ground Floor MN0700015



The black VFTs to MN0700015 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 014: Ground Floor MN0700015

The Vinyl Floor Tiles to the MN0700015 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 015: Ground Floor tiled area in MN0700018

The VFTs to the tiled area in MN0700018 were referred to sample PL01 **and SHALL be regarded as an asbestos-containing material**

Photo No. 016: Ground Floor tiled corridor off MN0700015 (Specimen Reception Area)

The VFTs to the tiled corridor off MN0700015 (specimen reception area) were tested and **proved to be an asbestos-containing material**

Photo No. 017: Subfloor

The soil to the subfloor was tested and **proved to contain free fibres of amosite asbestos likely associated with now removed 'lagged' pipe work.**

Photo No. 018: Subfloor

The fragments of FFCS to the subfloor was tested and **proved to be an asbestos containing material**

Photo No. 024: Ground Floor MN0700002

The VFT skirting to MN0700002 was tested and **proved NOT to be an asbestos containing material**

Photo No. 025: Ground Floor MN0700005 (Men's Shower and Toilet)

The VFT skirting to MN0700002 was tested and **proved NOT to be an asbestos containing material**

Photo No. 026: Ground Floor (MN0700023)

The VFT floor to MN0700023 (beneath the carpet) was tested and **proved NOT to be an asbestos containing material**

PHOTOGRAPHS

Photo 1:

AS14 – 1: No asbestos detected

Photo 2:

AS14 – 3: No asbestos detected

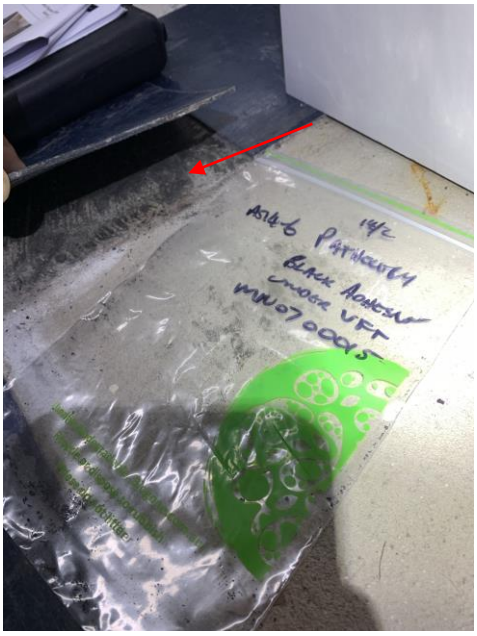
Photo 3:

AS14 – 4: No asbestos detected

Photo 4:

AS14 – 5: No asbestos detected

Photo 5:



AS14 – 6: No asbestos detected

Photo 6:

AS14 – 7: No asbestos detected

Photo 7:

AS14 – 8: No asbestos detected

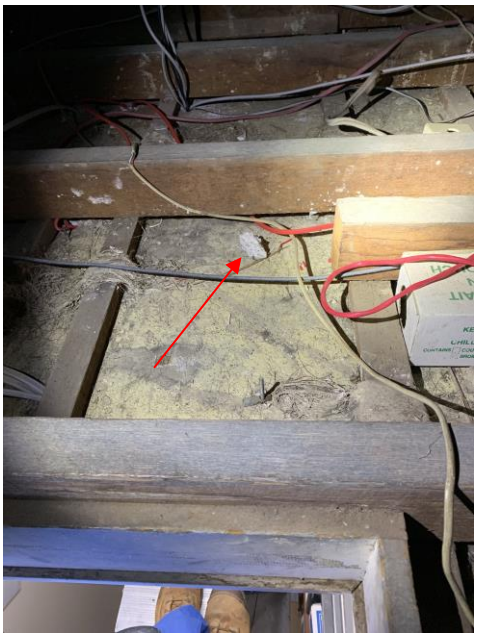
Photo 8:

AS14 – 9: No asbestos detected

Photo 9:

AS14 – 10: No asbestos detected

Photo 10:

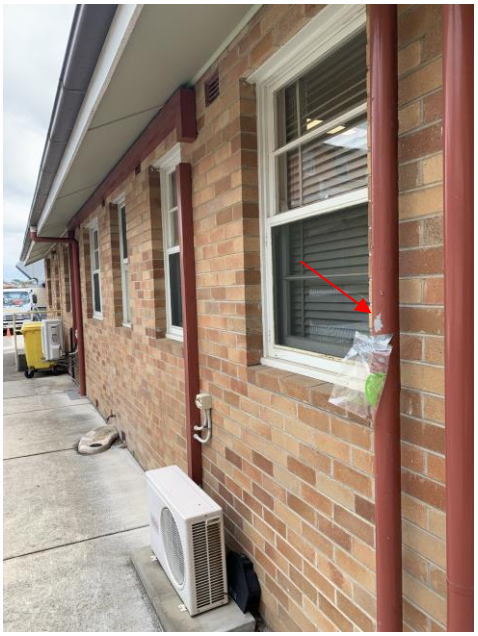


AS14 – 10: Chrysotile, Amosite and Crocidolite asbestos

Photo 11:

Pb14 – 1: >0.1%

Photo 12:



Pb14 – 2: >0.1%

Photo 13:

Pb14 – 3: >0.1%

Photo 14:

Pb14 – 4: >0.1%

Photo 15:

SMF – Insulation in encased hot water system

Photo 16:

SMF – Foiled back insulation

Photo No. 001: Below south entrance ramp

The FFCS infill panel below the south entrance ramp was referred to Sample 19 of the previous register **and SHALL be regarded as an asbestos-containing material**

Photo No. 002: South-east extension

The Moulded Fibre Cement batons/cover strips to the south-east extension were referred to Sample 19 **and SHALL be regarded as an asbestos-containing material**

Photo No. 003: South-east extension

The FFCS wall cladding to the south-east extension was previously tested as “Sample 19” by others and **proved to be an asbestos containing material**

Photo No. 004: Southern elevation (outside Room MN0800008)

The FFCS wall cladding to the southern elevation (outside Room MN0800008) was referred to Sample 19 **and SHALL be regarded as an asbestos-containing material**

Photo No. 005: Room MN0800006

The FFCS insulation panel to the electrical switchboard in Room MN0800006 ("Female") was unable to be sampled **but SHALL be regarded as an asbestos-containing material**

Photo No. 006: Ceiling void MN0800006

The thermal Insulation residue to pipework to the ceiling void above Room MN0800006 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 007: Cupboard off MN0800008

The FFCS fragment in the cupboard off MN0800008 was referred to Sample 20 in the previous register **and SHALL be regarded as an asbestos-containing material**

Photo No. 008: Ramp off Room MN0800002

The FFCS ceiling lining to the ramp off Room MN0800002 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 009: Room MN0800002

The FFCS wall lining to Room MN0800002 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 010: Room MN0800008 and MN0800014

The FFCS wall lining to Room MN0800008 and MN0800014 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 011: Room MN0800009

The FFCS ceiling lining to Room MN0800009 was tested and **proved to be an asbestos containing material**

Photo No. 012: Room MN0800010

The FFSC ceiling lining to Room MN0800010 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 013: Room MN0800010

The FFCS ceiling lining to Room MN0800010 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 014: Room MN0800011

The FFCS ceiling lining to Room MN0800011 was previously tested by others and **proved to be an asbestos containing material**

Photo No. 015: Room MN0800011

The original FFCS wall lining to Room MN0800011 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 016: Room MN0800012

The FFCS ceiling lining to Room MN0800012 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 017: Room MN0800012

The FFCS ceiling lining to Room MN0800012 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 018: Room MN0800013

The FFCS ceiling lining to Room MN0800013 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 019: Room MN0800014

The FFCS ceiling lining to Room MN0800014 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 020: Room MN0800014

The FFCS wall lining to Room MN0800014 was tested and **proved to be an asbestos containing material**

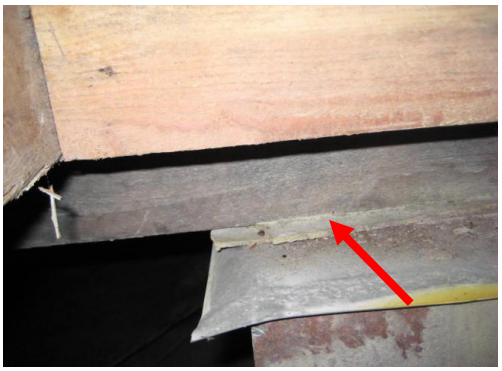
Photo No. 021: Room MN0800015

The FFCS ceiling lining to Room MN0800015 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 022: Room MN0800015

The FFCS wall lining to Room MN0800015 was referred to Sample 20 **and SHALL be regarded as an asbestos-containing material**

Photo No. 023: Subfloor



The FFCS pier packers to the subfloor **SHALL be regarded as an asbestos-containing material**

Photo No. 024: Southern Elevation

The Fibre Reinforced Cement 'Hardiplank' weatherboard cladding to the southern elevation was tested and **proved NOT to be an asbestos containing material**

Photo No. 025: Ground Floor Room MN080005, MN080008, MN080009, MN080013, MN080016, MN080018

The Vinyl Broadsheet / Linoleum Floor to the Room MN080005, MN080008, MN080009, MN080013, MN080016, MN080018 was tested and **proved NOT to be an asbestos containing material**

Photo No. 026: Subfloor

The Vinyl Broadsheet / Linoleum Floor to the Room MN080005, MN080008, MN080009, MN080013, MN080016, MN080018 was tested and **proved NOT to be an asbestos containing material**

PHOTOGRAPHS

Photo 1:

AS15 – 5: No asbestos detected

Photo 2:

AS15 – 6: No asbestos detected

Photo 3:

AS15 – 7.1: No asbestos detected

Photo 4:

AS15 – 11: No asbestos detected

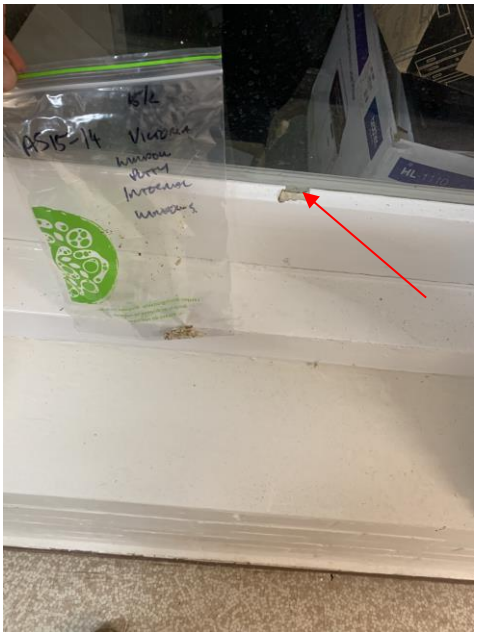
Photo 5:

AS15 – 12: No asbestos detected

Photo 6:

AS15 – 13: No asbestos detected

Photo 7:



AS15 – 14: No asbestos detected

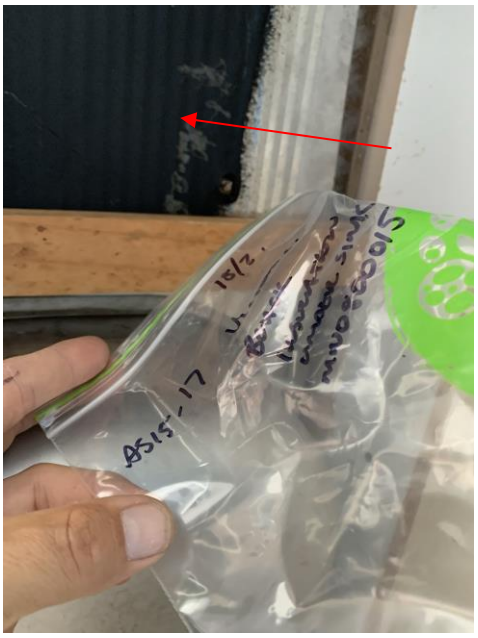
Photo 8:

AS15 – 15: Chrysotile asbestos

Photo 9:

AS15 – 16: Chrysotile asbestos

Photo 10:

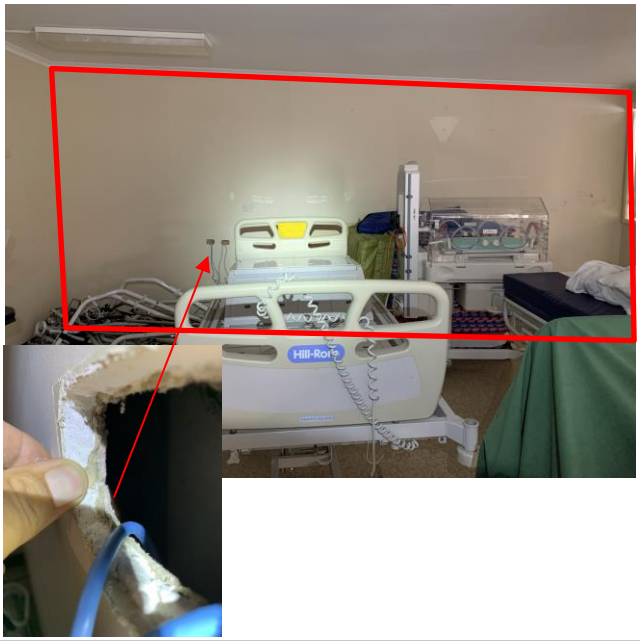


AS15 – 17: No asbestos detected

Photo 11:

AS15 – 20: No asbestos detected

Photo 12:



AS15 – 21: Chrysotile asbestos

Photo 13:

PB15 – 1: >0.1%

Photo 14:

PB15 – 2: >0.1%

Photo 15:

PB15 – 3: >0.1%

Photo 16:

PB15 – 4: >0.1%

Photo 17:

PB15 – 5: >0.1%

Photo 18:

PB15 – 6: >0.1%

Photo 19:

Lead: Flashing

Photo 20:

SMF: Hot water system insulation

PHOTOGRAPHS

Photo 21:

SMF: Ceiling tiles

Photo 22:

No Photo

SMF: Ceiling tiles

Photo 23:

No Photo

SMF: Ceiling tiles

ATTACHMENT 3

Figures

LEGEND

Investigation Boundaries

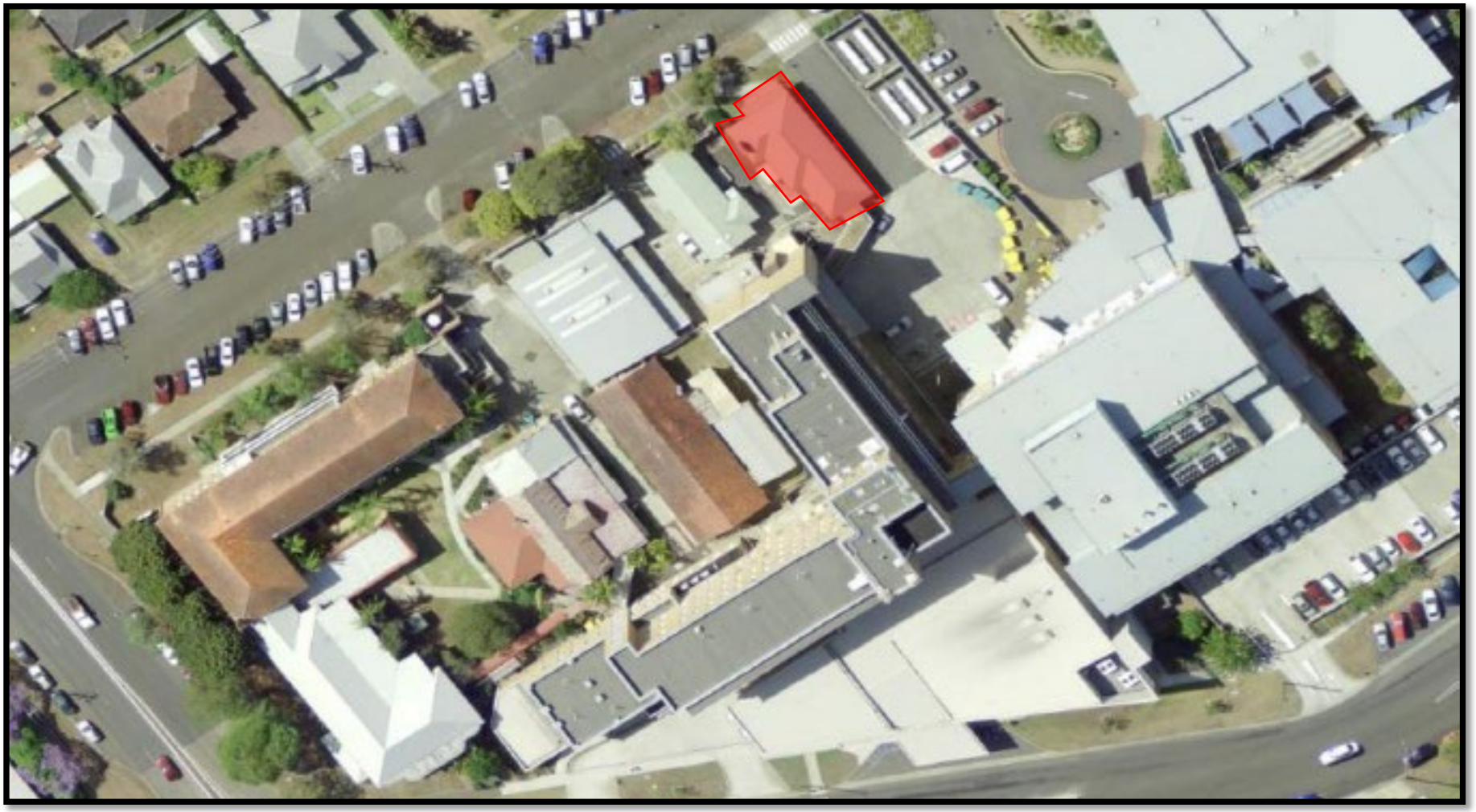
ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 1 – Site Location
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022



LEGEND

Friable contaminated ceiling cavity

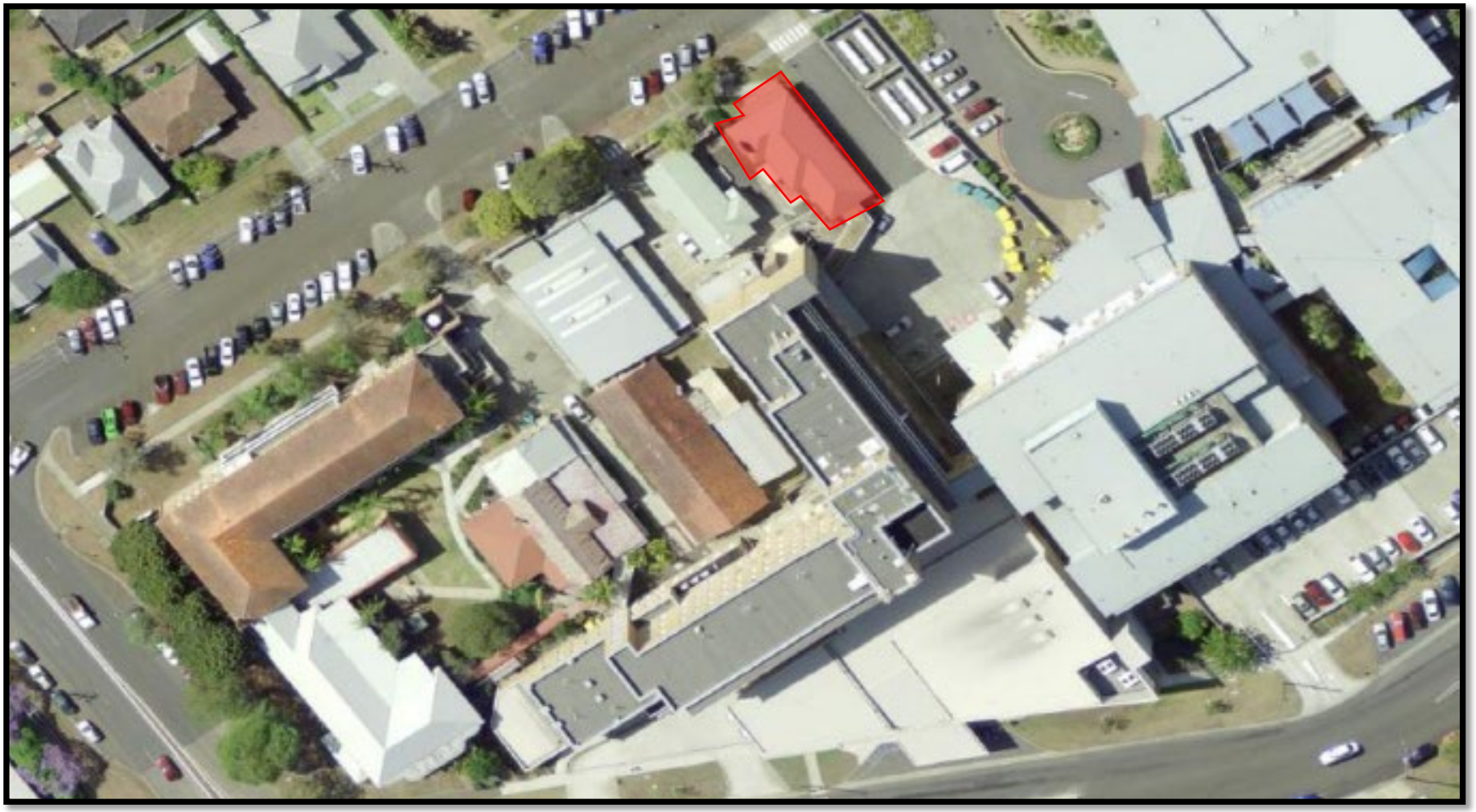
ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 2.0 – ACM Ceiling Cavities MN06
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022



LEGEND

Friable contaminated subfloor

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 2.1 – ACM Subfloor MN06
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022

LEGEND

Friable contaminated ceiling cavity

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 3.0 – ACM Ceiling cavity MN07
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022

LEGEND

Friable contaminated subfloor

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 3.1 – ACM Subfloor MN07
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022

LEGEND

Non-friable remediated subfloor surfaces/
friable soil under encapsulation slab

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 4.0– ACM Subfloor MN08
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022

LEGEND

Friable contaminated ceiling cavity

ENV Solutions
ENVIRONMENTAL | ASBESTOS | REMEDIATION | RESOURCE RECOVERY

Figure 4.1 – ACM Subfloor MN08
Manning Hospital Taree NSW

Image source: SixMaps (2021)

Licensed Assessor: Jake Rozyn
LAA License No: LAA001246
Phone: 0435 857 751

Project: HAZMAT Assessment
Client: Health Infrastructure
Date: 8-15 Feb 2022

ATTACHMENT 4

Laboratory Results

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET99143 / 102323 / 1 - 3
Your ref : 216435 – Taree Manning Hospital – B6
NATA Accreditation No: 14484

17 February 2022

ENV Solutions
PO Box 248
Ballina NSW 2478

Attn: Mr Jake Rozyn

Dear Jake

Asbestos Identification
This report presents the results of three samples, forwarded by ENV Solutions on 17 February 2022, for analysis for asbestos.

1.Introduction: Three samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

3. Results : **Sample No. 1. ASET99143 / 102323 / 1. 216435 - AS10-4 - Pharmacy Eave.**
Approx dimensions 2.0 cm x 1.0 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 2. ASET99143 / 102323 / 2. 216435 - AS10-5 - Pharmacy ceiling cavity dust.
Approx dimensions 3.0 cm x 2.0 cm x 0.2 cm
The sample consisted of a mixture of dust particles, organic fibres, fibre cement* (approximate dimensions = 0.5cm x 0.5cm x 0.1cm) and fibres^ (approximate weight = 0.0010g), plaster and plant matter.
Chrysotile*^ asbestos, Amosite*^ asbestos and Crocidolite*^ asbestos detected.

Sample No. 3. ASET99143 / 102323 / 3. 216435 - AS10-6 – Pharmacy white paint to window frames east.
Approx dimensions 3.5 cm x 2.5 cm x 0.3 cm
The sample consisted of fragments of paint flakes.
No asbestos detected.

Reported by,

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Identifier.
Approved Signatory

Accredited for compliance with ISO/IEC 17025 -Testing.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating

"No asbestos detected" indicates a reporting limit specified in AS4964-2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by A4964-2004. Trace / respirable level asbestos will be reported only when detected and trace analysis have been performed on each sample as required by AS4964-2004. When loose asbestos fibres/ fibre bundles are detected and reported that means they are larger handpicked fibres/ fibre bundles, and they do not represent respirable fibres. Dust/soil samples are always subjected to trace analysis except where the amounts involved are extremely minute and trace analysis is not possible to be carried out. When trace analysis is not performed on dust samples it will be indicated in the report that trace analysis has not been carried out due to the volume of the sample being extremely minute.

Estimation of asbestos weights involves the use of following assumptions;
Volume of each kind of Asbestos present in broken edges have been visually estimated and it has been assumed that volumes remain similar throughout the binding matrix and those volumes are only approximate and not exact. Material densities have been assumed to be similar to commonly found similar materials and may not be exact.

The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages given.

^ denotes loose fibres of relevant asbestos types detected in soil/dust.
*** denotes asbestos detected in ACM in bonded form.**
 # denotes friable asbestos as soft fibro plaster and/ or highly weathered ACM that will easily crumble.

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
Suite 710/ 90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635
Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au

ASET JOB NO: AS6799143/102323/1-3

Company Name & Address: ENV Solutions
PO Box 248
Ballina NSW 2478

Contact Ph: 0435 857 751

Contact Name: Jake Rozyn
Job No: 216435
Project Name: Taree Manning Hospital – B6

Email Results to: jake@envsolutions.com.au; labresults@envsolutions.com.au

	Sample ID	Date	Type	Container	Sample Location	Asbestos in Material	Asbestos in Soil	Asbestos in Dust	Asbestos Fibre Count	Asbestos in Water	Asbestos WA/NEPM	
1	AS10-4	10/02	Bulk	Bag	Pharmacy eave	X						
2	AS10-5	10/02	Bulk	Bag	Pharmacy ceiling cavity dust			X				
3	AS10-6	10/02	Bulk	Bag	Pharmacy white paint to window frames east	X						
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

RECEIVED
17 FEB 2022
BY: Kithwin

URGENT

Relinquished By: J.Rozyn
Date & Time:
Signature:

Received By: Kithwin
Date & Time: 17/2/22 9 am
Signature:

Turn around time				Method of Shipment
24 Hrs	X	3 Days		
48 Hrs		5 Days		

Client Company Name:	ENV Solutions
Client Company Address:	313 River Street Ballina NSW 2478
Contact Name:	Jake Rozyn
Contact Number:	0435 857 751
Contact Email:	jake@envsolutions.com.au; labresults@envsolutions.com.au

Client Project / Site Ref (Lab Report Title):	216435 - Taree Manning Hospital - Building 6			COC Emailed to OCTIEF (Y/N):
Purchase Order #:		Email Results To*:	jake@envsolutions.com.au; labresults@envsolutions.com.au	*SENT TO CONTACT EMAIL LISTED IF NOT PROVIDED
Turn Around Time	STANDARD / URGENT	Email Invoice To*:	accounts@envsolutions.com.au	

Parameters to be Tested

please indicate the test types required along the top and tick which samples require which particular test - include relevant code from the LAB CODES tab where possible

Sample Details

Lab Ref	Client Sample ID / Information	Date Sampled	Sampled By	Pb in paint	Pb in dust
1	DS10-4	10/02/2022	JR		X
2	DS10-5	10/02/2022	JR		X
3	DS10-6	10/02/2022	JR		X
4	Pb10-5	10/02/2022	JR	X	
5	Pb10-6	10/02/2022	JR	X	

For Laboratory Use Only

Sample Temperature on Receipt:	—	°C
Sample Condtion on Receipt:	A	A / UA
LIMS Reference #:	22-0714	
Date Due:		
Invoice #:		

Comments

Where METALS are required, specify if Total or Dissolved Metals are required and indicate metals for testing.

Include comments on special handling, storage and disposal if required

Pharmacy north ceiling cavity

Pharmacy ceiling cavity middle

Pharmacy ceiling cavity south

Pharmacy light brown paint to subfloor

Pharmacy interior white paint door frames

Please Tick Payment Method: [x] Account [ ] Credit Card* [ ] Electronic Funds Transfer [ ] Cash

* Payment by credit card incurs a 2.5% surcharge – OCTIEF will contact client for credit card details

Relinquished By:		Received By:	
Company:	ENV Solutions	Company:	OCTIEF
Name:	Jake Rozyn	Name:	Lachlan M
Date and Time:		Date and Time:	18/2/22 1:59pm
Signature:		Signature:	

OCTIEF

Main Laboratory: Unit 34 / 53-57 Link Drive, Yatala QLD 4207, Australia
Tel: +61 (07) 3386 1164
Email: octieflab@octief.com.au
Website: www.octief.com.au

CERTIFICATE OF ANALYSIS

Report No. 22-0719
Rev No. 00

Client:	Environmental Solutions	Date Samples Received	18/02/2022
Client Contact:		Date Analysis Commenced:	18/02/2022
Client Address:	313 River Street Ballina 2478	No. Samples Received:	5
		No. Samples Analysed:	5
Purchase Order #:		Date Issued:	23/02/22
Project / Site Ref:	216435 - Taree Manning Hospital - Building 6		

Laboratory ID	Sample Description	Sample Date	Total Lead on Swab*	Lead
Method			LAB-307	LAB-307
Units			mg	%
LOR			0.01	0.001
22-0719/1	DS10-4	10/02/2022	0.05	
22-0719/2	DS10-5	10/02/2022	0.21	
22-0719/3	DS10-6	10/02/2022	0.07	
22-0719/4	Pb10-5	10/02/2022		1.926
22-0719/5	Pb10-6	10/02/2022		9.072

General Comments

Notes:

ACCREDITED FOR TECHNICAL COMPETENCE

I. OCTIEF accepts no responsibility for the collection, packaging and transportation of samples submitted by external parties
II. All samples are analysed as received and the results contained within this report relate only to the sample(s) submitted for analysis.
III. Measurement uncertainty data is available here.
IV. NATA Accreditation Number: 15172
V. Accredited for compliance with ISO/IEC 17025 – Testing
VI. This document may not be reproduced except in full
*VII. Tests not covered by NATA are denoted with **

Approved Signatories

Checked By: Lachlan Modina
Senior Laboratory Technician

Approved By; Daryl Surkitt
Manager Laboratory Technical Services

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET99146 / 102326 / 1 - 12
Your ref : 216435 - Taree Manning Hospital - B7
NATA Accreditation No: 14484

18 February 2022

ENV Solutions
PO Box 248
Ballina NSW 2478

Attn: Mr Jake Rozyn

Accredited for compliance with ISO/IEC 17025 - Testing.

Dear Jake

Asbestos Identification
This report presents the results of twelve samples forwarded by ENV Solutions on 17 February 2022 for analysis for asbestos.

1.Introduction: Twelve samples forwarded were examined and analysed for the presence of asbestos on 17 February 2022.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

3. Results :

Sample No. 1. ASET99146 / 102326 / 1. 216435 - AS14-1 - Pathology window putty.
Approx dimensions 1.0 cm x 1.0 cm x 0.3 cm
The sample consisted of fragments of a soft mastic material.
No asbestos detected.

Sample No. 2. ASET99146 / 102326 / 2. 216435 - AS14-2 - Pathology gable end tile support strip.
Approx dimensions 1.5 cm x 1.0 cm x 0.1 cm
The sample consisted of a fragment of a fibre cement material.
Chrysotile asbestos detected.

Sample No. 3. ASET99146 / 102326 / 3. 216435 - AS14-3 - Pathology misc sheeting under demountable.
Approx dimensions 2.5 cm x 1.5 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 4. ASET99146 / 102326 / 4. 216435 - AS14-4 - Pathology adhesive behind skirt vinyl tiles toilets.
Approx dimensions 0.5 cm x 0.5 cm x 0.1 cm
The sample consisted of fragments of a soft mastic material.
No asbestos detected. (Submitted sample is too small and a larger sample may produce a different result).
No asbestos detected.

Sample No. 5. ASET99146 / 102326 / 5. 216435 - AS14-5 - Pathology adhesive on subfloor VFT MN0700006.
Approx dimensions 1.5 cm x 1.0 cm x 0.1 cm
The sample consisted of fragments of a soft mastic material.
No asbestos detected.

Sample No. 6. ASET99146 / 102326 / 6. 216435 - AS14-6 - Pathology black adhesive under VFT MN0700015.
Approx dimensions 1.0 cm x 1.0 cm x 0.1 cm
The sample consisted of fragments of a soft mastic material.
No asbestos detected.

Sample No. 7. ASET99146 / 102326 / 7. 216435 - AS14-7 - Pathology adhesive under peach VFT reception MN0700023.
Approx dimensions 0.5 cm x 0.5 cm x 0.1 cm
The sample consisted of a fragment of a soft mastic material containing organic fibres.
No asbestos detected. (Submitted sample is too small and a larger sample may produce a different result).

Sample No. 8. ASET99146 / 102326 / 8. 216435 - AS14-8 - Pathology packers on brick entry to haematology- serology.
Approx dimensions 1.0 cm x 0.5 cm x 0.1 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected. (Submitted sample is too small and a larger sample may produce a different result).

Sample No. 9. ASET99146 / 102326 / 9. 216435 - AS14-9 - Pathology MN0700006 hard lino bench lining under sink.
Approx dimensions 4.0 cm x 1.0 cm x 0.2 cm
The sample consisted of a hard fibrous material containing organic fibres with a layer of adhesive.
No asbestos detected.

Sample No. 10. ASET99146 / 102326 / 10. 216435 - AS14-10 - Pathology MN0700030 green/grey vinyl under lino.
Approx dimensions 1.0 cm x 0.5 cm x 0.2 cm
The sample consisted of a fragment of a linoleum vinyl flooring.
No asbestos detected

Sample No. 11. ASET99146 / 102326 / 11. 216435 - AS14-11 - Pathology ceiling cavity lining debris.
Approx dimensions 6.0 cm x 5.0 cm x 1.0 cm
The sample consisted of a soft fibrous material.
Amosite asbestos detected.

Sample No. 12. ASET99146 / 102326 / 12. 216435 - AS14-12 - Pathology ceiling cavity central residual pipe lagging.
Approx dimensions 0.54 cm x 0.5 cm x 0.1 cm
The sample consisted of a mass of fibrous material.
Amosite asbestos detected.

Reported by,

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Identifier.
Approved Signatory

NATA
WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 -Testing.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by AS4964-2004. Trace / respirable level asbestos will be reported only when detected.

If the submitted sample is too small there is a possibility that asbestos may not be present in the selected area of the sampled material. Australian Safer Environment & Technology Pty Ltd is not liable if the submitted portion of the sample is free of asbestos and the remaining material has asbestos. This indicates the importance of obtaining and submission of a representative amount / portion of the sample.

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
Suite 710/ 90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635
Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au

ASET JOB NO: ASET99146/102326/1-12

Company Name & Address: ENV Solutions
PO Box 248
Ballina NSW 2478

Contact Ph: 0435 857 751

Contact Name: Jake Rozyn
Job No: 216435
Project Name: Taree Manning Hospital – B7
Email Results to: jake@envsolutions.com.au; labresults@envsolutions.com.au

	Sample ID	Date	Type	Container	Sample Location	Asbestos in Material	Asbestos in Soil	Asbestos in Dust	Asbestos Fibre Count	Asbestos in Water	Asbestos WA/NEPM	
1	AS14-1	14/02	Bulk	Bag	Pathology window putty	X						
2	AS14-2	14/02	Bulk	Bag	Pathology gable end tile support strip	X						
3	AS14-3	14/02	Bulk	Bag	Pathology misc sheeting under demountable	X						
4	AS14-4	14/02	Bulk	Bag	Pathology adhesive behind skirt vinyl tiles toilets	X						
5	AS14-5	14/02	Bulk	Bag	Pathology adhesive on subfloor VFT MN0700006	X						
6	AS14-6	14/02	Bulk	Bag	Pathology black adhesive under VFT MN0700015	X						
7	AS14-7	14/02	Bulk	Bag	Pathology adhesive under peach VFT reception MN0700023	X						
8	AS14-8	14/02	Bulk	Bag	Pathology packers on brick entry to haematology-serology	X						
9	AS14-9	14/02	Bulk	Bag	Pathology MN0700006 hard lino bench lining under sink	X						
10	AS14-10	14/02	Bulk	Bag	Pathology MN0700030 green/grey vinyl under lino	X						
11	AS14-11	14/02	Bulk	Bag	Pathology ceiling cavity lining debris	X						
12	AS14-12	14/02	Bulk	Bag	Pathology ceiling cavity central residual pipe lagging	X						
13												
14												
15												
16												
17												
18												
19												
20												

URGENT

Turn around time Method of Shipment

RECEIVED
17 FEB 2022
BY:

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
Suite 710/ 90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635
Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au

Relinquished By: J.Rozyn Date & Time: Signature:	Received By: Kithsiri Date & Time: 17/2/22 9 am Signature:	24 Hrs	X	3 Days			
		48 Hrs		5 Days			

RECEIVED
17 FEB 2022
BY: Kithsiri

URGENT

Client Company Name:	ENV Solutions
Client Company Address:	313 River Street Ballina NSW 2478
Contact Name:	Jake Rozyn
Contact Number:	0435 857 751
Contact Email:	jake@envsolutions.com.au; labresults@envsolutions.com.au

Client Project / Site Ref (Lab Report Title):	216435 - Taree Manning Hospital - Building 7			**COC Emailed to OCTIEF (Y/N):**
Purchase Order #:		**Email Results To*:**	jake@envsolutions.com.au; labresults@envsolutions.com.au	***SENT TO CONTACT EMAIL LISTED IF NOT PROVIDED**
Turn Around Time	STANDARD / URGENT	**Email Invoice To*:**	accounts@envsolutions.com.au	

For Laboratory Use Only

Sample Temperature on Receipt:	—	°C
Sample Condtion on Receipt:	A	A / UA
LIMS Reference #:	22-0725	
Date Due:		
Invoice #:		

Parameters to be Tested

please indicate the test types required along the top and tick which samples require which particular test - include relevant code from the LAB CODES tab where possible

Lab Ref	Client Sample ID / Information	Date Sampled	Sampled By	Pb in paint	Pb in dust
1	Pb14-1	14/02/2022	JR	X	
2	Pb14-2	14/02/2022	JR	X	
3	Pb14-3	14/02/2022	JR	X	
4	Pb14-4	14/02/2022	JR	X	

Comments

Where METALS are required, specify if Total or Dissolved Metals are required and indicate metals for testing.

Include comments on special handling, storage and disposal if required

Pharmacy External white paint windows

Pharmacy external red paint downpipe

Pathology internal undercoat paint to wall

Pathology internal paint to timber trim

Please Tick Payment Method: [x] **Account** [ ] **Credit Card*** [ ] **Electronic Funds Transfer** [ ] **Cash**

*** Payment by credit card incurs a 2.5% surcharge – OCTIEF will contact client for credit card details**

Relinquished By:		**Received By:**	
Company:	ENV Solutions	**Company:**	OCTIEF
Name:	Jake Rozyn	**Name:**	Lachlan M
Date and Time:		**Date and Time:**	14/02/22 12:00pm
Signature:		**Signature:**	

OCTIEF

Main Laboratory: Unit 34 / 53-57 Link Drive, Yatala QLD 4207, Australia
Tel: +61 (07) 3386 1164
Email: octieflab@octief.com.au
Website: www.octief.com.au

CERTIFICATE OF ANALYSIS

Report No. 22-0725
Rev No. 00

Client:	Environmental Solutions	Date Samples Received	18/02/2022
Client Contact:		Date Analysis Commenced:	18/02/2022
Client Address:	313 River Street Ballina 2478	No. Samples Received:	4
		No. Samples Analysed:	4
Purchase Order #:		Date Issued:	23/02/22
Project / Site Ref:	216435 - Taree Manning Hospital - Building 7		

Laboratory ID	Sample Description	Sample Date	Lead
Method			LAB-307
Units			%
LOR			0.001
22-0725/1	Pb14-1	14/02/2022	3.048
22-0725/2	Pb14-2	14/02/2022	1.237
22-0725/3	Pb14-3	14/02/2022	0.210
22-0725/4	Pb14-4	14/02/2022	0.177

General Comments

Notes:

ACCREDITED FOR TECHNICAL COMPETENCE

I. *OCTIEF accepts no responsibility for the collection, packaging and transportation of samples submitted by external parties*
II. *All samples are analysed as received and the results contained within this report relate only to the sample(s) submitted for analysis.*
III. *Measurement uncertainty data is available here.*
IV. *NATA Accreditation Number: 15172*
V. *Accredited for compliance with ISO/IEC 17025 – Testing*
VI. *This document may not be reproduced except in full*
VII. *Tests not covered by NATA are denoted with **

Approved Signatories

Checked By: Lachlan Modina
Senior Laboratory Technician

Approved By: Daryl Surkitt
Manager Laboratory Technical Services

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET99147 / 102327 / 1 - 21
Your ref : 216435 – Taree Manning Hospital – B8
NATA Accreditation No: 14484

17 February 2022

ENV Solutions
PO Box 248
Ballina NSW 2478

Attn: Mr Jake Rozyn

Accredited for compliance with ISO/IEC 17025 - Testing.

Dear Jake

Asbestos Identification
This report presents the results of twenty one samples, forwarded by ENV Solutions on 17 February 2022, for analysis for asbestos.

1.Introduction: Twenty one samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

3. Results :

Sample No. 1. ASET99147 / 102327 / 1. 216435 - AS15-1 - Victoria Exterior wall lining around door southern elevation outside room MN0800008.
Approx dimensions 3.7 cm x 1.7 cm x 0.3 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 2. ASET99147 / 102327 / 2. 216435 - AS15-2 - Victoria external capping strip southern elevation under window outside RM MN0800008.
Approx dimensions 3.1 cm x 1.8 cm x 0.2 cm
The sample consisted of fragments of a fibre cement material.
Chrysotile asbestos detected.

Sample No. 3. ASET99147 / 102327 / 3. 216435 - AS15-3 - Victoria exterior infill panel below south entrance ramp.
Approx dimensions 2.8 cm x 1.2 cm x 0.5 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Sample No. 4. ASET99147 / 102327 / 4. 216435 - AS15-4 - Victoria exterior southern elevation wall cladding.
Approx dimensions 2.6 cm x 1.2 cm x 0.5 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Sample No. 5. ASET99147 / 102327 / 5. 216435 - AS15-5 - Victoria old build roof black mastic.
Approx dimensions 1.7 cm x 1.6 cm x 0.2 cm
The sample consisted of fragments of a bituminous material containing synthetic mineral fibres.
No asbestos detected.

Sample No. 6. ASET99147 / 102327 / 6. 216435 - AS15-6 - Victoria external infill panels to ceiling cavity.
Approx dimensions 5.5 cm x 3.7 cm x 0.4 cm
The sample consisted of a fragment of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 7. ASET99147 / 102327 / 7. 216435 - AS15-7 - Victoria wall lining to MN0800002.
Approx dimensions 3.4 cm x 1.0 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 8. ASET99147 / 102327 / 8. 216435 - AS15-7.1 - Victoria external window putty.
Approx dimensions 12.5 cm x 1.1 cm x 0.4 cm
The sample consisted of fragments of a soft mastic material.
No asbestos detected.

Sample No. 9. ASET99147 / 102327 / 9. 216435 - AS15-8 - Victoria ceiling of MN0800002 about ramp.
Approx dimensions 2.3 cm x 1.5 cm x 0.3 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Sample No. 10. ASET99147 / 102327 / 10. 216435 - AS15-9 - Victoria MN080090 ceiling.
Approx dimensions 1.4 cm x 1.0 cm x 0.1 cm
The sample consisted of fragments of a fibre cement material.
Chrysotile asbestos, Amosite asbestos and Crocidolite asbestos detected.

Sample No. 11. ASET99147 / 102327 / 11. 216435 - AS15-10 - Victoria MN0800015 ceiling.
Approx dimensions 1.5 cm x 1.5 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Sample No. 12. ASET99147 / 102327 / 12. 216435 - AS15-11 - Victoria paper backing to small lino floor MN0800016.
Approx dimensions 3.5 cm x 2.0 cm x 0.3 cm
The sample consisted of a fragment of linoleum floor covering material containing organic fibres and synthetic mineral fibres attach to a layer of soft fibrous material containing organic fibres.
No asbestos detected.

Sample No. 13. ASET99147 / 102327 / 13. 216435 - AS15-12 - Victoria blue speckled lino MN0800015.
Approx dimensions 2.8 cm x 1.3 cm x 0.2 cm
The sample consisted of a fragment of a linoleum floor covering.
No asbestos detected (An independent confirmatory analytical technique is advised due to the nature of the sample).

Sample No. 14. ASET99147 / 102327 / 14. 216435 - AS15-13 - Victoria blue lino outside MN0800015416.
Approx dimensions 3.0 cm x 1.5 cm x 0.3 cm
The sample consisted of a fragment of a linoleum floor covering.
No asbestos detected (An independent confirmatory analytical technique is advised due to the nature of the sample).

Sample No. 15. ASET99147 / 102327 / 15. 216435 - AS15-14 - Victoria window putty internal windows.
Approx dimensions 3.2 cm x 2.4 cm x 0.2 cm
The sample consisted of fragments of a soft mastic like material.
No asbestos detected.

Sample No. 16. ASET99147 / 102327 / 16. 216435 - AS15-15 - Victoria internal wall sheet surrounding exit door Outside MN0800009.
Approx dimensions 1.5 cm x 0.8 cm x 0.1 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Sample No. 17. ASET99147 / 102327 / 17. 216435 - AS15-16 - Victoria vinyl & paper backing under lino outside MN0800009.
Approx dimensions 6.7 cm x 2.4 cm x 0.2 cm
This sample consisted of a fragment of a linoleum floor tile containing chrysotile asbestos in the backing layer# which is a part of the linoleum floor covering material.
Chrysotile# asbestos detected.

Sample No. 18. ASET99147 / 102327 / 18. 216435 - AS15-17 - Victoria black insulation under sink MN0800015.
Approx dimensions 1.5 cm x 1.1 cm x 0.2 cm
The sample consisted of fragments of a bituminous mastic like material containing organic fibres.
No asbestos detected.

Sample No. 19. ASET99147 / 102327 / 19. 216435 - AS15-18 - Victoria ceiling cavity pipe.
Approx dimensions 1.5 cm x 0.7 cm x 0.1 cm
The sample consisted of fragments of a hard fibrous material containing organic fibres.
No asbestos detected.

Sample No. 20. ASET99147 / 102327 / 20. 216435 - AS15-19 - Victoria sheeting above ceiling tiles MN0800016.
Approx dimensions 1.8 cm x 1.5 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
No asbestos detected.

Sample No. 21. ASET99147 / 102327 / 21. 216435 - AS15-20 - Victoria subfloor sheeting between old build and newer northern build.
Approx dimensions 2.1 cm x 0.7 cm x 0.2 cm
The sample consisted of fragments of a fibro plaster cement material containing organic fibres.
Chrysotile asbestos detected.

Reported by,

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Identifier.
Approved Signatory

Accredited for compliance with ISO/IEC 17025 - Testing.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by A4964-2004. Trace / respirable level asbestos will be reported only when detected.

 # denotes friable backing layer which is a part of the linoleum floor covering material.

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
Suite 710/ 90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635
Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au

ASET JOB NO: AS6799147/102327/1-21

Company Name & Address: ENV Solutions
PO Box 248
Ballina NSW 2478

Contact Ph: 0435 857 751

Contact Name: Jake Rozyn
Job No: 216435
Project Name: Taree Manning Hospital – B8

Email Results to: jake@envsolutions.com.au; labresults@envsolutions.com.au

	Sample ID	Date	Type	Container	Sample Location	Asbestos in Material	Asbestos in Soil	Asbestos in Dust	Asbestos Fibre Count	Asbestos in Water	Asbestos WA/NEPM	
1	AS15-1	15/02	Bulk	Bag	Victoria Ext wall lining around door southern Elevation utside room MN0800008	X						
2	AS15-2	15/02	Bulk	Bag	Victoria ext capping strip southern elevation Under window outside RM M-V 0800008	X						
3	AS15-3	15/02	Bulk	Bag	Victoria ext infill panel below south entrance ramp	X						
4	AS15-4	15/02	Bulk	Bag	Victoria exterior southern elevation wall cladding	X						
5	AS15-5	15/02	Bulk	Bag	Victoria old build roof black mastic	X						
6	AS15-6	15/02	Bulk	Bag	Victoria external infill panels to ceiling cavity	X						
7	AS15-7	15/02	Bulk	Bag	Victoria wall lining to MN0800002	X						
8	AS15-7.1	15/02	Bulk	Bag	Victoria external window putty	X						
9	AS15-8	15/02	Bulk	Bag	Victoria ceiling of MN0800002 about ramp	X						
10	AS15-9	15/02	Bulk	Bag	Victoria MN080090 ceiling	X						
11	AS15-10	15/02	Bulk	Bag	Victoria MN0800015 ceiling	X						
12	AS15-11	15/02	Bulk	Bag	Victoria paper backing to small square lino floor MN0800016	X						
13	AS15-12	15/02	Bulk	Bag	Victoria blue speckled lino MN0800015	X						
14	AS15-13	15/02	Bulk	Bag	Victoria blue lino outside MN0800015416	X						
15	AS15-14	15/02	Bulk	Bag	Victoria window putty internal windows	X						
16	AS15-15	15/02	Bulk	Bag	Victoria internal wall sheet surrounding exit door Outside MN08000809	X						
17	AS15-16	15/02	Bulk	Bag	Victoria vinyl & paper backing under lino outside MN0800009	X						
18	AS15-17	15/02	Bulk	Bag	Victoria black insulation under sink MN0800015	X						
19	AS15-18	15/02	Bulk	Bag	Victoria ceiling cavity pipe	X						

URGENT

RECEIVED
17 FEB 2022
BY:

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
Suite 710/ 90 George Street Hornsby NSW 2077 PO Box 1644 Hornsby Westfield NSW 1635
Ph: 02 9987 2183 Fax: 02 9987 2151 Email: aset@bigpond.net.au

20	AS15-19	15/02	Bulk	Bag	Victoria sheeting above ceiling tiles MN0800016	X							
21	AS15-20	15/02	Bulk	Bag	Victoria subfloor sheeting between old build and Newer northern build	X							
21													

URGENT

Relinquished By: J.Rozyn Date & Time: Signature:	Received By: Date & Time: 17/2/22 1 pm Signature:	Turn around time			Method of Shipment
		24 Hrs	X	3 Days	
		48 Hrs		5 Days	

RECEIVED
17 FEB 2022
BY:

Client Company Name:	ENV Solutions
Client Company Address:	313 River Street Ballina NSW 2478
Contact Name:	Jake Rozyn
Contact Number:	0435 857 751
Contact Email:	jake@envsolutions.com.au; labresults@envsolutions.com.au

Client Project / Site Ref (Lab Report Title):	216435 - Taree Manning Hospital - Building 8			**COC Emailed to OCTIEF (Y/N):**
Purchase Order #:		**Email Results To*:**	jake@envsolutions.com.au; labresults@envsolutions.com.au	*SENT TO CONTACT EMAIL LISTED IF NOT PROVIDED
Turn Around Time	STANDARD / URGENT	**Email Invoice To*:**	accounts@envsolutions.com.au	

Parameters to be Tested

please indicate the test types required along the top and tick which samples require which particular test - include relevant code from the LAB CODES tab where possible

Sample Details

Lab Ref	Client Sample ID / Information	Date Sampled	Sampled By	Pb in paint
1	Pb15-1	15/02/2022	JR	X
2	Pb15-2	15/02/2022	JR	X
3	Pb15-3	15/02/2022	JR	X
4	Pb15-4	15/02/2022	JR	X
5	Pb15-5	15/02/2022	JR	X
6	Pb15-6	15/02/2022	JR	X
7	Pb15-7	15/02/2022	JR	X
8	Pb15-8	15/02/2022	JR	
9	Pb15-9	15/02/2022	JR	
10	Pb15-10	15/02/2022	JR	

For Laboratory Use Only

Sample Temperature on Receipt:	— °C
Sample Condtion on Receipt:	A A / UA
LIMS Reference #:	22-0721
Date Due:	
Invoice #:	

Comments

Where METALS are required, specify if Total or Dissolved Metals are required and indicate metals for testing.

Include comments on special handling, storage and disposal if required

Victoria red paint to tin roof

Victoria ext white paint to fascia board

Victoria ext window frame paint

Victoria interior paint to brick

Victoria interior paint to timber

Victoria hidden hidden corragated tin ceiling white paint above MN0800006

Please Tick Payment Method: [x] Account [ ] Credit Card* [ ] Electronic Funds Transfer [ ] Cash

* Payment by credit card incurs a 2.5% surcharge – OCTIEF will contact client for credit card details

Relinquished By:		**Received By:**	
Company:	ENV Solutions	**Company:**	OCTIEF
Name:	Jake Rozyn	**Name:**	Lachlan M
Date and Time:		**Date and Time:**	18/02/22 12:00pm
Signature:		**Signature:**	

OCTIEF

Main Laboratory: Unit 34 / 53-57 Link Drive, Yatala QLD 4207, Australia
Tel: +61 (07) 3386 1164
Email: octieflab@octief.com.au
Website: www.octief.com.au

CERTIFICATE OF ANALYSIS

Report No. 22-0721
Rev No. 00

Client:	Environmental Solutions	Date Samples Received	18/02/2022
Client Contact:		Date Analysis Commenced:	18/02/2022
Client Address:	313 River Street Ballina 2478	No. Samples Received:	6
		No. Samples Analysed:	6
Purchase Order #:		Date Issued:	23/02/22
Project / Site Ref:	216435 - Taree Manning Hospital - Building 6		

Laboratory ID	Sample Description	Sample Date	Lead
Method			LAB-307
Units			%
LOR			0.001
22-0721/1	Pb15-1	15/02/2022	0.357
22-0721/2	Pb15-2	15/02/2022	6.710
22-0721/3	Pb15-3	15/02/2022	0.502
22-0721/4	Pb15-4	15/02/2022	0.909
22-0721/5	Pb15-5	15/02/2022	7.231
22-0721/6	Pb15-6	15/02/2022	7.020

General Comments

Notes:

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Approved Signatories

Checked By: Lachlan Modina
Senior Laboratory Technician

Approved By: Daryl Surkitt
Manager Laboratory Technical Services

10 Document Control

Filename:	ENV216435 - State Significant Development Report building MN03,5,6,7,8
Job No.:	216435
Author:	Robert Kozik
Reviewed By:	Jake Rozyn
Client:	Mace

Revision No:	Date:	Issued By	
		Name	Signed
R01	30/03/22	H. Chapman	
R02	13/09/22	J.Rozyn	
R03	23/01/23	R. Kozik	

Scope of Engagement:

This report has been prepared by ENV Services PTY LTD (ENV) ABN 98 640 278 977 at the request of Mace Group for the purpose of a HAZMAT Assessment and is not to be used for any other purpose or by any other person or corporation.

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