

Carters
Asbestos Management

- Asbestos Reviews
- Asbestos Management.
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ASBESTOS AUDIT

REGISTER NO.: AS 2350

FOR THE PROPERTY AT: Building & Dunlevy House
Wakefield Street
Adelaide, SA

CLIENT: St Aloysius College

REGISTER CONTROLLER: Mr Steve Andrews

CONSULTANT: George Sheaffer

DATE INSPECTED: 31/01/2014



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1. INTRODUCTION

Carter Corporation Pty Ltd (Carter Corporation) was requested to conduct a review of the asbestos register to determine the condition of asbestos containing materials (ACMs) previously identified within the asbestos register at the site/address referred to and contained within this document.

The review is a visual inspection of previously identified asbestos materials listed in the original register and is not a full inspection of the building. All previous conditions, limitations and recommendations apply.

In accordance with the Regulations, ACMs which have been visually identified (i.e. not sampled or not referenced to a specific sample) should be presumed to contain asbestos, unless sampled to prove otherwise.

It is strongly recommended that this report be reviewed prior to any change of use, occupancy or other activity which may affect the accessibility of any ACMs within the areas surveyed. Such reviews should only be conducted by a competent person.

Further investigations may be required prior to any planned refurbishment or alterations which affect the fabric of the building.

This report may not be reproduced other than in full, except with the prior written approval of the report author.

This report should be read in its entirety.

This report is limited to asbestos containing materials only and their associated risks. Reference may be made within this document to other materials such as but not limited to Synthetic Mineral Fibre (SMF); lead paints etc but no assessment of these have been made.

The objective of the survey was to, as far as reasonably practicable, locate, identify and access and where possible, photograph and quantify all accessible ACM present within the scope of the survey and to present the information collected in a way which allows the duty holder to manage the risks arising from those materials.

2 SCOPE of WORK

To undertake the inspection as required, the following scope of work was undertaken;

- A desktop survey and discussion with site personnel was made to determine the history, previous use, existing asbestos register and previous removals of ACM.
- A site specific risk assessment prior to the survey was undertaken.
- Inspection of the site was carried out.
- Potential ACM their location, type, quantity, condition and stability were documented.
- An assessment of the materials potential to release fibres and recommendations to minimise or manage the risk was noted.
- Photographs were taken (where required) to aid the item identification and condition.
- Signage requirements were noted.
- Samples (where agreed) taken and submitted to a NATA laboratory for analysis to qualify asbestos fibre content.
- Drawings (where supplied) marked up to aid the asbestos location identification.

3 LIMITATIONS

Whilst the surveyors make every reasonable effort, Carter Corporation cannot guarantee that all ACMs have been identified and survey results are definitive. Some ACMs could be present in the building that may only be discovered when the building is demolished or is subject to major refurbishment.

Building owners are not required to dismantle parts of the building or plant to locate asbestos; the regulation is aimed at identifying any significant risk to persons. If it is the intention to demolish or alter such areas, and concealed/unknown asbestos is uncovered / detected, revised safe work practices are to be implemented.

In general, it may be impossible to locate all asbestos during the conduct of a visual inspection. Physical constraints upon an inspection include, but are not limited to, restrictions on access to lift shafts / motor rooms, air conditioning ductworks, During an inspection, there is a need to avoid damage to client's property (e.g. through sample taking) and to minimise disruption (e.g. dismantling equipment), and inconvenience.

The inspection was carried out in areas where access was available. Unless otherwise indicated floor coverings were not taken up to enable inspection of floor surfaces. Equipment in use was not disturbed or opened for the purpose of inspection. Air-conditioning systems, heater banks and associated ductwork has not been inspected.

In some instances asbestos may be located in inaccessible areas such as wall cavities, beneath floor slabs, or as an integral part of machinery, plant or equipment (pumps, pipe work, boilers, heater banks, ductwork and the like). Buried fibro asbestos pipes or pits may also be discovered upon excavation.

Confirmation of lagged pipe work within wall cavities and chased into walls is not possible with a visual inspection. Asbestos that was previously removed from an area may have fallen down cavities due to inadequate removal procedures and clean-up. This should be taken into consideration when any demolition or upgrade work is being done as it is possible that asbestos containing material may be present in these areas.

Unless noted otherwise, samples were not taken of those products which have previously been known to contain asbestos, e.g., "Zelemite" electrical switchboard panels and "Millboard" insulation to wiring (items installed in live electrical situations).

Notes: Any references in this report to materials other than asbestos are not to be taken as necessarily accurate, since identification of such materials is not included within the scope of this report. References to "Colorbond", "PVC", "Rockwool", "Gyprock", etc are intended to be an approximate indication only of the type of material present based on cursory observation. The purpose of including references to such materials is primarily to assist the author in compiling the report and secondly to provide a more descriptive report.

Measurements and quantities mentioned in this report are approximate only.

This report is not to be used as a contractual document.

No guarantees can be entered into regarding the accuracy or completeness of this report.

The information contained herein is accurate at the time of printing only. Subsequent updates become the responsibility of the register controller.

A reference in this register to the regulations, a Code of Practice, a Guidance Note or Guideline will be taken as a reference to that document as in force at that time.

A reference in this register to the owner of a building will be taken to include a reference to any person appointed by the owner to manage the building on his or her behalf.

4 METHODOLOGY

All accessible areas were thoroughly inspected in order to determine the presence of ACM and findings pertaining to type, condition and extent of the ACM recorded.

To assess the potential health risk posed by the ACM various information and criteria are recorded. The assist in the interpretation of the Asbestos Register the following detailed explanation is provided.

◆ **LOCATION – DESCRIPTION;** provides identifier (letter for external and number for internal). The identifier is also shown on any drawing provided with the Register. The description states the room number (if assigned), room name, location of the item and material description.

◆ **EXTENT;** an approximate extent (not be used for pricing or demolition costing).

◆ **ACCESSIBILITY;**

Accessible – the material/item can be easily accessed without any aids or key access.

Limited access – the material/item can be accessed but requires access via ladder, key access, lifting carpet, etc.

Inaccessible – the material/item cannot be accessed without damage or demolition i.e. metal encapsulated insulation, material within cavity, sealed door core etc.

◆ **ASBESTOS ASSESSMENT;** asbestos type (from laboratory analysis) or presumed asbestos content.

◆ **CONDITION;** provides a description of the material at the time of the survey. It comprises of three components-

Poor – the material is damaged or severely deteriorated.

Moderate – the material is generally sound condition but has some signs of deterioration.

Good – The material is sound with no signs of deterioration

Sealed – the material has a painted or other material sealing the raw product

Unsealed – the material is raw or has exposed areas of asbestos product

Non-friable/bonded – the asbestos fibres are in a stable matrix and cannot be crushed by hand application

Friable – the asbestos product can be crushed or broken down by hand pressure or is dust/debris

◆ **SAMPLE NO – VISUAL TEST;** provides the unique sample reference number or informs of a visual identification. Items listed within the Register as “visual” have not been sampled to confirm an asbestos content. These items have been identified as materials which historically have or can contain asbestos. The presumption made is through various criteria such as but not limited to type of material, age of building, similar products, and the experience of the surveyor. All materials which have been listed as visually identified within this register must be treated as asbestos unless proven otherwise by sample analysis. It is recommended that all materials are sampled in order to qualify.

◆ **SIGNAGE STATUS;** signage is either visible or not visible.

◆ **SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS;** has specific notes pertaining to the item with recommendations if required. Within this section there is also information relating to Risk Priority. The information gained from the survey or inspection is used to provide a priority rating and is to be used as part of the Asbestos Management Plan. Refer to Section 7 ‘Risk Score Calculator’ for the risk score matrix used within the Register. The matrix is based upon AS4360.

5 EXAMPLES OF ASBESTOS CONTAINING MATERIALS

(This is not an exhaustive list)

Backing to service riser doors	Mortar in wall and floor penetrations (fire stop)
Bitumen based membrane coverings/flashings	Oven door seals
Boiler insulation	Packers under floor joists (for levelling transportables, etc)
Brake linings	Pipe work gaskets
Cable trays	Putty and tapes in expansion joints, construction mastics
Chalkboards	Refractory bricks
Cooling towers	Residual contamination on ceiling tiles and grids
Door linings	Roof cladding
Down pipes and gutters	Roofing shingles
Duct work flexible fabric connections	Sealants to duct work and other air-conditioning plant and equipment
Eaves/Verandah linings	Sheathing/insulation to wiring
Electrical cable insulation/sheathing	Sheeting to wet areas
Electrical meter backing boards	Taping compounds (thermal)
Exhaust insulation and gaskets	Textured paints/coatings
Expansion joints and gaskets in boilers	Thermal paper products
Facades	Vermiculite insulation/decorative plaster finishes
Fencing	Vinyl floor (lino) backing material
Fibre cement pipes and flues	Vinyl floor tiles
Fire blankets	Wall and floor penetrations
Fire doors - internal core	Wall cavities
Firewall partitions	Wall linings/cladding
Fuse holder insulation	
Heater bank/re-heat units insulation within duct work of air conditioning	
Hot water service heat shields	
Insulation linings for spark/fire resistance	
Kitchen plant and equipment	
Laboratory gloves	
Laboratory hoods, bench tops, and equipment	
Lift motor brakes	
Limpet insulation to structural beams & columns	
Lost form work	
Louvres in windows	

6 DEFINITIONS

Accredited laboratory	A testing laboratory accredited by the National Association of Testing Authorities, Australia (NATA) or a similar accreditation authority, or otherwise granted recognition by NATA, either solely or in conjunction with one or more other persons.
Accessible	In a physical location where building occupants or users might readily access material without use of assistance e.g. asbestos based material used as wall cladding on or outside of equipment in a laboratory etc.
Air monitoring	Airborne asbestos fibre sampling to assist in assessing exposures and the effectiveness of control measures. Air monitoring includes exposure monitoring, control monitoring and clearance monitoring. Note: Air monitoring should be undertaken in accordance with the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres [NOHSC:3003 (2005)].
Airborne asbestos fibres	Any fibres of asbestos small enough to be made airborne. For the purposes of air monitoring airborne fibres, only respirable asbestos fibres are counted.
Asbestos	The fibrous form of mineral silicates that belong to the serpentine or amphibole groups of rock forming minerals, including Actinolite, Amosite (brown asbestos), Anthophyllite, Crocidolite (blue asbestos), Chrysotile (white asbestos) and Tremolite, or any combination of two or more of these.
Asbestos Abatement	Procedures to control fibre release from asbestos containing materials in a building or to remove it entirely. These may involve removal, encapsulation, repair, enclosure, encasement, operations and maintenance programs.
Asbestos register	The document containing the results/recommendations following a building audit for asbestos materials, commenting on their location, condition and establishment of safe working policies.
Asbestos removal work	Work involving the removal of a) insulation material that consists of or contains asbestos, or other friable asbestos-containing material; or b) an asbestos-cement (fibro) product, or other non-friable asbestos-containing material.
Asbestos work	Any work where, in the course of that work, exposure to asbestos (or any material that consists of or contains asbestos) may occur.
Asbestos Containing Material (ACM)	Means any material, object, product or debris that contains asbestos.
Asbestos removalist	A competent person who performs asbestos removal work. An asbestos removal licence is required for removal of friable ACM and may also be required for non friable ACM removals, check with relevant OHS authorities for requirements.
Asbestos waste	All removed ACM and disposable items used during the asbestos work, such as plastic sheeting used to cover surfaces in the asbestos work area, disposable coveralls, disposable respirators, rags used for cleaning.
Asbestos work area	An immediate area in which work on ACM is taking place. The boundaries of the asbestos work area must be determined by a risk assessment.
Avoid physical and mechanical damage	As far as practicable, limit activities (cutting, drilling, grinding, sanding, breaking, etc) on or adjacent to material such that sufficient damage to release respirable fibres is avoided.
Breathing zone	A hemisphere extending in front of a persons face, with a radius of 300mm from the midpoint of an imaginary line between the ears.

Competent person	A person possessing adequate qualifications, such as suitable training and sufficient knowledge, experience and skill, for the safe performance of the specific work.
Dust and debris	Visible particles, fragments or chunks of material, large and heavy enough to have settled in the work area, that is likely to have originated from ACM.
Friable (Asbestos)	Asbestos containing material which, when dry, is or may become crumbled, pulverised or reduced to powder by hand pressure.
Hazard	Any matter, thing, process or practice that may cause death, injury, illness or disease.
Inaccessible areas	Areas which are difficult to access, such as wall cavities and the interiors of plant and equipment.
Limited Access	Requiring some assistance or equipment to allow access e.g. requiring a ladder or lifting of ceiling tiles or keys to normally locked cupboard, room etc.
Monitor Condition	Carry out regular general observation of condition of material to note any changes.
NES	National Exposure Standard
N.O.H.S.C.	The National Occupational Health and Safety Commission (Government Body).
Organic fibre	Fibres such as but not limited to cellulose, wool, cotton
Person with control	In relation to premises, a person who has control of premises used as a workplace. The person with control may be: a The owner of the premises b A person who has, under any contract or lease, an obligation to maintain or repair the premises c A person who is occupying the premises d A person who is able to make decisions about work undertaken at the premises, or An employer at the premises
Personal Protective Equipment	Equipment and clothing that is used or worn by an individual person to protect themselves against, or minimise their exposure to, workplace risks.
Register Controller	A building owner or designated representative who is responsible for the asbestos register and implementation of a hazard management plan.
Risk	The likelihood of a hazard causing harm to a person. In this instance risk relates to illness or disease arising from exposure to Airborne Asbestos Fibres.
SMF	Synthetic Mineral Fibre
Stable	Condition good, posing minimum risk to health.
Unstable	Condition poor, posing significant risk to health.
Work	Any activity, physical or mental, carried out in the course of a business, industry, commerce, an occupation or a profession.
Worker	A person who does work, whether or not for reward or recognition.
Workplace	Any place where a person works.

7 RISK SCORE CALCULATOR

Consequence or Impact

Rating	Descriptor	Example Detail Description
1	Insignificant	No illness will result as asbestos is stable, therefore there is little likelihood of inhaling fibres above normal ambient levels.
2-3	Minor	Local fibre release only and in amounts and fibre size that are unlikely to cause latent asbestos related illness
4-6	Moderate	Asbestos may be unstable and could release fibres in the amount and size that may cause latent asbestos related illness
7-8	Major	Asbestos is unstable and will release fibres in the amount and size that will cause latent asbestos related illness
9	Catastrophic	Asbestos is highly friable and unstable, fibres will be released in size range and amount that are highly likely to cause latent asbestos related illness

Likelihood of Exposure

Rating	Descriptor	Description
9	Almost Certain	Is expected to occur in most circumstances – i.e. people regularly in the vicinity.
7-8	Likely	Will probably occur in most circumstances.
4-6	Possible	Might occur at some time.
2-3	Unlikely	Could possibly occur at some time but is unlikely.
1	Rare	May occur only in exceptional circumstances.

Risk Calculator

		Consequence or Impact				
		9	7-8	4-6	2-3	1
Likelihood	9	Extreme	Extreme	Extreme	High	High
	7-8	Extreme	Extreme	High	High	Medium
	4-6	Extreme	Extreme	High	Medium	Low
	2-3	Extreme	High	Medium	Low	Low
	1	High	High	Medium	Low	Low

Risk

Priority with recommended action

Extreme

P1 – Restrict access and isolate material immediately. Plan for removal as soon as practicable (less than 1 month). The identified material presents an immediate occupational/environmental risk in its present condition.

High

P2 – Limit access as an interim measure and identify for planned removal (less than 3 months). The identified material presents a potential occupational/environmental risk in its present condition.

Medium

P3 – Identify for removal where maintenance or refurbishment may cause disturbance of the material. Treat material (make safe, seal) to prevent potential fibre release as an interim measure.

Low

P4 – Leave in situ and reassess condition on at least an annual basis as required by current OHS&W Regulations. Consider removal when maintenance or refurbishment may cause disturbance of the material. The identified material presents a low occupational/environmental risk in its present condition unless acted upon

8 REFERENCE

ACT	Work Health and Safety Act 2011
NSW	Work Health and Safety Act 2011 Work Health and Safety Regulation 2011
NT	Work Health and Safety (National Uniform Legislation) Act 2011
QLD	Work Health and Safety Act 2011 Work Health and Safety Regulation 2011
SA	Work Health and Safety Act 2012 Work Health and Safety Regulation 2012
TAS	Work Health and Safety Act 2012 Work Health and Safety Regulation 2012
VIC	Occupational Health and Safety Act 2004 Occupational Health and Safety Regulations 2007 Div 5
WA	Occupational Safety and Health Act 1984

Codes of Practice **How to Manage and Control Asbestos in the Workplace
How to Safely Remove Asbestos**

Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres [NOHSC: 3003 (2005)]

STATE AND TERRITORY WORK HEALTH AND SAFETY AUTHORITIES;

ACT	Website: www.worksafety.act.gov.au Email: worksafety@act.gov.au Telephone: (02) 6205 0333
NSW	Website: www.workcover.nsw.gov.au Telephone: 13 10 50
NT	Website: www.worksafe.nt.gov.au Email: ntworksafe@nt.gov.au Telephone: 1800 019 115
QLD	Website: www.worksafe.qld.gov.au Telephone: 1300 369 915 or (07) 3225 2000
SA	Website: www.safework.sa.gov.au Telephone: 1300 365 255
TAS	Website: www.workcover.tas.gov.au Email: wstinfo@justice.tas.gov.au Telephone: 1300 366 322 (inside Tasmania) or (03) 6233 7657 (outside Tasmania)
VIC	Website: www.workcover.vic.gov.au Email: info@worksafe.vic.gov.au Telephone: 1800 136 089 or (03) 9641 1444
WA	Website: www.worksafe.wa.gov.au Telephone: 1300 307 877 Part of the WA Department of Commerce



REGISTER: AS 2350

DATE: 31/01/2014

ADDRESS: Building & Dunlevy House
Wakefield St, Adelaide

NEXT REVIEW RECOMMENDED: 01/2015

Appendix A – ASBESTOS REGISTER



REGISTER: AS 2350

DATE: 31/01/2014

ADDRESS: Building & Dunlevy House
Wakefield St, Adelaide

NEXT REVIEW RECOMMENDED: 01/2015

BUILDING – Building & Dunlevy House

2014 Review Notes

A copy of the most recent register review was located in Mr Steve Andrews office.

Major renovations have taken place in the Dame Roma Mitchell building.

The Review indicated that the majority of products identified throughout the site present a low risk of exposure to airborne fibres to personnel, due to the stability and / or location of the asbestos containing materials (ACM's), provided that the materials are not disturbed or 'worked upon' (i.e. cut, sawn, drilled, sanded etc.). However, the following items were identified at the site which were noted to be in a damaged condition, or present a moderate, high or extreme risk to the occupants, and should be identified for removal or remedial action as soon as is practicable;

- Item '23' – Make safe cracked sheets on kiln.
- Item 'K' – Make safe multiple cracks and broken corners.
- Item '4.9' – Make safe multiple cracks and broken corners.

Signage -

A general awareness sign was installed at the time of the inspection as a minimum to create Asbestos Register awareness, additional signage is recommended as indicated within this document.

2012 Audit Notes

A copy of the most recent register audit was located with Mr Steve Andrews. Recommend copy held in contractors signing in register.

2011 Audit Notes

A copy of the most recent register audit was located with Mr Steve Andrews. Recommend copy held in contractors signing in register.

2008 ANNUAL UPDATE INSPECTION SPECIFIC NOTES -

The Campion Jordan Building was a 2 storey red brick building with profiled sheet metal flat roof, concrete floors.

The Dunlevy Building was a 3 storey (plus basement room) red brick building with 'Colorbond' hipped roof, concrete floors.

Refer to the Mitchell Building asbestos register regarding linkway/walkway structure and associated asbestos cement balustrades.

ORIGINAL REGISTER INSPECTION NOTES -

Refer to the original register by BC Tonkin & Associates – October 1993.

Ceiling Inspections:

Flush fibrous plaster, plasterboard and lathe and plaster ceilings were noted throughout. Ceiling inspection was limited due to the flush ceilings. Manhole inspection from the north east ground floor toilets revealed a fibrous plaster ceiling, timber floors above, and copper pipes with coconut fibre insulation.

Manhole inspection from the first floor north east toilet revealed the underside of the "Colorbond" timber hipped roof, synthetic mineral fibre batt insulation, and fibrous plaster ceilings. Access was limited due to safe accessibility.

Manhole inspection from the ground floor north east wing "Site Office" revealed plasterboard ceilings, synthetic mineral fibre batt insulation, towelled vermiculite beams, concrete beams, and foil insulation to the underside of the roof.

No access/inspection to first floor above flush ceilings (except noted above).

Other:

No asbestos was visible to the hydraulic lift motor room in the ground floor.

No asbestos was visible in the ground floor server room switchboard or fire panel.

No asbestos was visible to the under stair store at the north west stairwell.

No access was gained to boarded up fire places.

No asbestos was visible in electrical boards DBA, and DBC on the first floor.

No access was gained to the ground floor room A4 and south west corner tutorial rooms (2x).

No access was gained to the first floor room A107, A103, and A113.

Roof not accessed for inspection due to high level, no safe access system on-site, possible roof level gable infills etc. May be suspect asbestos containing cement sheeting. The limited roof inspection was made from the Bell Tower.



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NEXT REVIEW RECOMMENDED: 01/2015

Mercy Convent Building & Chapel

Brief Building Description:

The Chapel was a red brick building with parquet floors, timber gilded panelling and plaster ceiling. Eaves to the Chapel were lathe and plaster.

The two storey Mercy Convent was a mainly stone building with rendered quoins with a combination of "Colorbond" metal and terracotta tiled roof (timber battened eaves). Maintenance staff advised there was no known basement. The Angas Street elevation ground floor porch ceilings were fibrous plaster. The porch over the central staircase was fibrous plaster. The first floor courtyard verandah was lined with lathe and plaster. Solid partitions and terrazzo floors were noted in the north east ground and first floor toilets. Carpets were noted throughout. The north east wing had a clay brick extension, "Colorbond" roof, timber battened eaves, and flush plasterboard ceilings. "Masonite" hard board infills were noted either side of the south west corner store room window (south west of the main first floor verandah).

Ceiling Inspections:

Flush fibrous plaster, plasterboard and lathe and plaster ceilings were noted throughout. Ceiling inspection was limited due to the flush ceilings. Manhole inspection from the north east ground floor toilets revealed a fibrous plaster ceiling, timber floors above, and copper pipes with coconut fibre insulation.

Manhole inspection from the first floor north east toilet revealed the underside of the "Colorbond" timber hipped roof, synthetic mineral fibre batt insulation, and fibrous plaster ceilings. Access was limited due to safe accessibility.

Manhole inspection from the ground floor north east wing "Site Office" revealed plasterboard ceilings, synthetic mineral fibre batt insulation, towelled vermiculite beams, concrete beams, and foil insulation to the underside of the roof.

No access/inspection to first floor above flush ceilings (except noted above).

Other:

No asbestos was visible to the hydraulic lift motor room in the ground floor.

No asbestos was visible in the ground floor server room switchboard or fire panel.

No asbestos was visible to the under stair store at the north west stairwell.

No access was gained to boarded up fire places.

No asbestos was visible in electrical boards DBA, and DBC on the first floor.

No access was gained to the ground floor room A4 and south west corner tutorial rooms (2x).

No access was gained to the first floor room A107, A103, and A113.

Split system air conditioners were noted on the roof.

Roof not accessed for inspection due to high level, no safe access system on-site, possible roof level gable infills etc. May be suspect asbestos containing cement sheeting. The limited roof inspection was made from the Bell Tower.

Brief Building Description:

The Dame Roma Mitchell Building is a brick construction, with profiled sheet metal roof. The northern verandah had a concrete slab floor supported by steel "Bondeck". Ceramic tiles to wet areas.

Carpets elsewhere. The basement car park was a concrete block and red clay brick construction, with concrete floors and slab above.

The overhead concrete linkway / walkway to the Dunlevy Building was constructed with steelwork including "Bondek" type formwork for the floor slab. Refer above schedule regarding the walkway balustrade.

Ceiling Inspections:

Random ceiling inspections in the ground floor (indicated on drawings) revealed 1200x600mm plasterboard, 600x600mm acoustic tiles, and flush plasterboard ceilings with concrete beam and slab above. Metal and flexible ductwork was also noted.

Random inspection to the ceiling space above the first floor revealed 1200x600mm plasterboard tiles, synthetic mineral fibre batts, foil insulation to the underside of the roof, and steel structural beams. Flexible ductwork was also noted. Flush plasterboard ceilings were noted in some areas.

Other:

No access was obtained to the service riser between the toilets.

No access was gained to cupboards & air conditioning risers (2x).

No asbestos was visible to the "DB5" electrical cabinet on the external north ground floor side of the building.

No asbestos was visible to the electrical cabinets "1-1" & "1-2" in room M109 on the first floor.

Split systems and evaporative air conditioners were noted on the roof (visible from the Bell Tower).

The limited roof inspection was made from the Bell Tower.

No asbestos was visible to electrical distribution boards in the basement.

The Expressive Arts Building was a three storey clay brick construction (plus basement) with "Colorbond" hipped roof. The basement areas were concrete block and concrete slab construction.



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Recommend sample all suspect items on this building to qualify them as asbestos or otherwise eliminate them from register (given similar negative results in building construction materials).

Ceiling Inspections:

The underside of the concrete slab was visible in the basement. Plasterboard ceilings were noted in some lobby/foyer areas. No access above.

Ceiling inspections revealed, in general, the bare concrete floor slab above or synthetic mineral fibre tiles with concrete slab above that.

The second floor ceiling had a cathedral raked ceiling lined with plasterboard. No inspection above. Skylights were noted at roof level.

Other: No asbestos was visible to the basement "DB 4.2" electrical panel, ground floor "DB1" & "DB4" electrical panel plus ground floor fire panel in lobby. Evaporative and split system air conditioners were noted.

Brief Building Description:

The Library building was a two storey red brick construction, aluminium windows, concrete floors, and profiled sheet metal flat roof (visible from Bell Tower). Various plaques indicate upgrades in the 1990's however the original date of the building was not known. The main western staircase to the library was concrete. Carpets and modern sheet vinyls covered floor areas. No inspection below. The covered walkway between the first floor library and auditorium had plasterboard wall infills at roof level.

The auditorium add-on section was constructed in 1998 or post this time given the "proposed" construction drawings available. Due to the age of this extension (only) the construction materials are deemed non-asbestos including the high level cement sheet facades to this section. The stairs and balustrade linings leading to the auditorium on the west side should be considered asbestos cement thick sheet (refer above schedule) as they may have been the original fire exit to the library. Sample analysis can qualify the material content if required, otherwise treat as asbestos containing.

Ceiling Inspections:

Ceiling inspection from the ground floor Computer Room 1 and Computer Room 3 revealed 1200x600mm plasterboard tiles with the concrete slab directly visible above. Most classroom areas had similar ceilings. The library had timber lined ceilings or flush plasterboard which was not access above. Flush plasterboard was noted in other areas (such as but not limited to) the canteen. No inspection above flush ceilings.

The first floor auditorium ceiling space was inspected from one location. It revealed 600x600mm acoustic ceiling tiles, polyester batts, polystyrene foam insulation to the underside of the roof, and uninsulated steel supporting beams.

Other:

Roof not accessed for inspection due to high level, no safe access system on-site. The limited roof inspection was made from the Bell Tower. "Daikin" split system and evaporative air conditioners were noted on the roof.

A modern "Beasley" hot water service was noted under the sink area in the first floor library kitchenette. No asbestos was visible to the external of this new unit.

No access was gained to the under stair store of the main library staircase.

Brief Building Description:

Two rotunda shelters were noted between the Expressive Arts Centre and the McCauley Centre. This was a timber structure with "Colorbond" roof.

Adjacent the rotundas was an area for play equipment. Steel posts were noted supporting a shade sail over the play equipment.

The Swimming Pool Pump Shed was a red brick structure.

The Pool Change rooms & Office attached to the north side of the Dunlevy Building was constructed approximately 2005/2006 as advised by maintenance staff. No inspection was carried out. Assume no asbestos containing materials used in the construction of this building due to the age of the structure.

Ceiling Inspections:

Not applicable.

Other:

The electrical cabinet "DB8" in the pump shed was confirmed with no visible asbestos.



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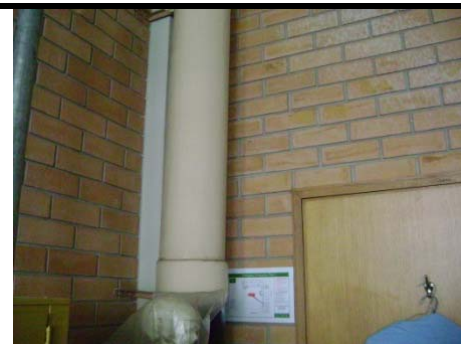
ADDRESS: Building & Dunlevy House
Wakefield St, Adelaide

NEXT REVIEW RECOMMENDED: 01/2015

General Notes

- No inspection carried out (unless specifically noted otherwise) to inaccessible areas and items such as - Internal of plant / equipment / air-conditioning ductwork / heater banks, ductwork mastic, electrical and service components such as internal of hot water service units, switch components, behind electrical panels, to porcelain electrical fuse holders, oyster type light fittings, service conduits and pits, wiring and cable trays and risers. No inspection is carried out to pipe-work chases, wall and column cavities, above flush panel ceilings, underground services, beneath current floor coverings / under floor spaces, window and control joint putty, lost formwork and floor / beam packers etc.
- Asbestos containing materials may be part of the above items and as a 'visual only / non-destructive' inspection has been performed it is recommended to access these items with caution if working on or in the vicinity of, using an asbestos safe work method as a pre-caution when disturbing or dismantling these materials. Should asbestos or suspected asbestos containing materials be detected then consult register controller and revise work methods accordingly.
- Specifically no inspection has been conducted (unless otherwise stated) to the internal of air-conditioning systems to identify the extent / location of any heater bank units (if any). As this is an area that is inaccessible and may contain an asbestos insulation, it is recommended that the client qualify air conditioning heaterbank locations (whether redundant or operational) with their nominated mechanical services / air-conditioning contractor. If heater-banks are detected, they are to be inspected only under strict asbestos conditions. Recommend engage a competent person (according to the WHS Regulations) to assess, in particular, the possibility of "Millboard" type asbestos lining to the internal of the ductwork, and to instigate hazard management to minimise the potential for disturbance within the duct whilst accessing, assessing, and/or sampling. All work to be in conjunction with the mechanical services contractor who can locate possible additional units, and isolate and dismantle the "live" heaterbank unit(s) to enable access within the units for assessment.
- Recommend treat all suspect materials as asbestos containing when carrying out works. Material can be sample analysed upon major works to confirm content. Samples taken in certain locations may not necessarily be indicative of similar looking items for the entire building. Sample results are indicative of the specific area from which they were taken.
- Treat all vinyl floor products, bituminous containing products, cement sheet products, window, air conditioning ductwork and control joint putty and all gaskets (other than rubber and cork) and friction materials as asbestos containing unless confirmed otherwise by sample analysis. Treat all fire rated doors as having an asbestos internal core unless confirmed otherwise.
- It is possible upon building works / demolition to encounter unidentified or undetected asbestos material. Access with caution and consult register controller and implement revised safe work procedure. If major demolition works are planned, it is recommended to conduct a 'destructive' type inspection incorporating additional / unrestrictive sample analysis.
- It is recommended to wear suitable personal protective equipment (PPE) including respiratory protection when entering all ceiling and confined spaces as a minimum pre-caution.
- Inspections are conducted based upon the Consultant performing and completing a job safety analysis / risk assessment prior to commencement of the inspection to ensure work is carried out in accordance with the relevant WHS Regulations and company Standard Operating Procedures. Subsequently no inspection has been performed to ceiling height and roofing heights greater than 2.5m unless site specific safe access systems have been made available. No inspection has been performed to operating / in service plant and equipment.

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
3.1b. Campion Jordan Building. Internal. Chemistry lab ground floor (now office space) and biology lab prep room, within prep / store rooms, fume cupboard flue pipe – formed or moulded fibre cement product.	Approx 4.5m long x 300mm Limited access	Presume asbestos content	Good Unsealed Non friable	Visual	Visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p> <p>January 2014 – Internal to the left of fire panel.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
3.2a Campion Jordan Building Internal. Ground and first floor, floor covering – vinyl tiles (White tiles still exist beneath the carpet on ground floor.)	Approx 300m ² Accessible	Chrysotile asbestos detected	Good Unsealed Non friable	CJG-1(dark brown) CJG-2 (off-white) Sample No CJG-4(off-white)	Not visible.
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x10) specific warning sign.</p>					




LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
3.1 Campion Jordan Building Internal. Staff toilets, hot water heater flue – fibre cement pipe.	-	-	-	-	-
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
No inspection. Item recorded as removed December 1997.					

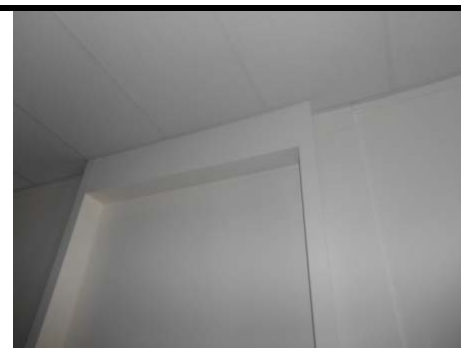
No Photograph available

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
3.2b Campion Jordan Building Internal. Polished foyer, floor covering – vinyl tiles (light grey)	-	-	-	-	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No inspection. Item recorded as removed December 1997.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
3.3 Campion Jordan Building Internal. Biology lab prep room, fire resistant wall lining – fibre cement sheet.	-	-	-	-	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No inspection. Item recorded as removed December 1997.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	
4.1a Dunlivi House. External. Part ground floor, first floor and veranda eave lining – fibre cement sheet.	Approx 60m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product. Recommend install (x10) specific warning sign. Recommend sample (x2) to qualify material content, otherwise treat item as asbestos containing.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.1b. Dunlivi House. External. Eastern box eave on second floor, lining – fibre cement sheet.	Approx 6m ² Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x2) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p> <p>January 2009: Item now internal in class room D201 (above closed in old entry on east wall).</p>					



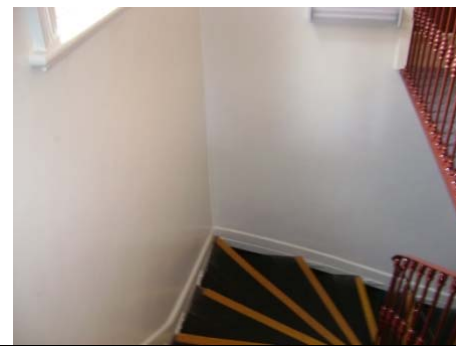
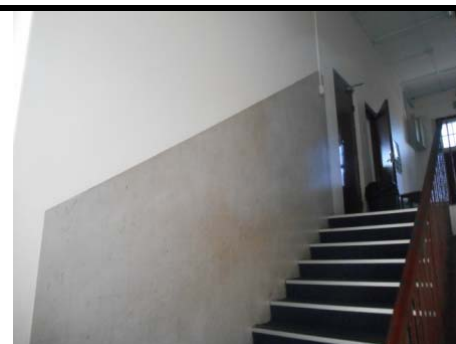
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.3. Dunlivi House. External. Convent office external wall lining – fibre cement sheet.	Approx 30m ² Accessible	Presume asbestos content	Good Sealed Non friable	Visual	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x3) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.4. Dunlivi House. Internal. Various locations, fire door, internal core – compressed fibre insulation.	Not quantified Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Treat all fire doors as having an asbestos internal core unless confirmed otherwise by sample analysis.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.5 Dunlivi House. Internal. Ground, first, and second floor , wall covering at east and west stairwells – vinyl tiles	Approx 45m ² Accessible	Chrysotile asbestos detected	Good Unsealed Non friable .	Sample No MCG-1 & MCG-2	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x10) specific warning sign.</p> <p>Monitor condition. Some minor cracking in areas.</p> <p>December 2012. – Item has been removed from western stairs 2012.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.7. Dunlivi House. Internal. 2 nd Floor, room D202, kitchen area, floor coverings, floor covering – sheet vinyl pebble pattern beige colour).	Approx 10m ² Accessible	Chrysotile & amosite asbestos detected	Good Sealed Friable	Sample no. 01SH151209	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x2) specific warning sign.</p> <p>January 2009: Additional item.</p> <p>December 2012. – Now purplish modern vinyl, item may still exist beneath.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.8. Dunlivi House. Internal. 2 nd Floor, room D203, floor covering – vinyl tiles (dark grey colour).Beneath carpet.	Approx 1m ² Limited access	Presume Asbestos Content	Not assessed	Not accessed	Not visible.
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p> <p>January 2009: Additional item. Presume to run though out building.</p>					




LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4.9 Dunlivi House External eastern stair balustrade lining (both sides) – fibre cement thick sheet.	Approx 100m ² Accessible	Chrysotile asbestos detected	Good Sealed Non friable	Similar to sample no. 26 (Oct 07) from link way balustrade	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x15) specific warning sign.</p> <p>Monitor condition. Some cracking in areas.</p> <p>December 2012. - Recommend make safe multiple broken edges between 1st. and 2nd. floors in accordance with “Asbestos Approved Code of Practice”.</p> <p>January 2014. - Previous recommendations still apply.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
4.2 Dunlivi House. Internal Outside hall adjacent door 52, electrical board and cabinet lining- black resin board & fibre cement lining (respectively).	Extent not recorded on original register.	Presume asbestos content	-	-	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS Item not visible at location indicated. Item removed by others prior to 2007 inspection.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
4.6 Dunlivi House. Internal 1 st floor window wet area, window infill – suspected flat asbestos cement sheet.	-	-	-	-	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No inspection. Item recorded as removed December 1998.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	
A. External. Mercy Convent building & Chapel. Angas Street balconies (x2) and the Chapel bell tower, external floor covering waterproof lining – bitumen based membrane.	Approx 20m ² Accessible	Presume asbestos content	Good Unsealed Non friable	Visual	Not visible	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product. Recommend install (x2) specific warning sign. Recommend sample (x2) to qualify material content, otherwise treat item as asbestos containing.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
B. External. Mercy Convent building & Chapel. First floor balcony / verandah around northern courtyard and alongside Chapel, external floor covering – possible bituminous floor covering (including sub-layers).	Approx 200m ² Accessible	Presume asbestos content	Good Unsealed Non friable	Visual	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x20) specific warning sign.</p> <p>Recommend sample (x6) to qualify material content, otherwise treat item as asbestos containing.</p>					



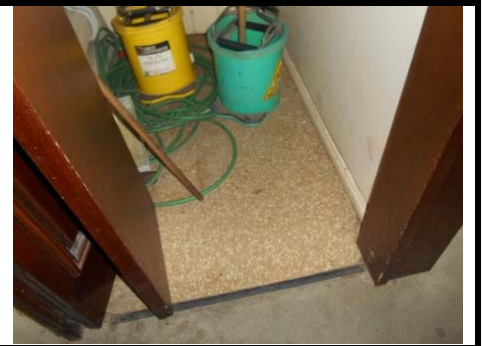
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
1. Internal. Mercy Convent building & Chapel. Ground floor, presentation room adjacent Chapel, table covering – sheet vinyl (cream pebble patterned lino) backing.	Approx 1m ² Accessible	Chrysotile asbestos detected	Good Sealed Friable	Sample no. 4 (Oct 07)	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
2. Internal. Mercy Convent building & Chapel. Ground floor, toilet adjacent priest sacristy (adjacent Chapel), ceiling lining – fibre cement sheet.	Approx 4m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p>					



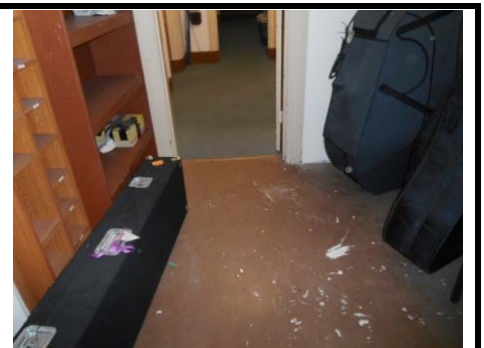
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
4. Internal. Mercy Convent building & Chapel. Ground floor, external central staircase, under stair store, floor covering – sheet vinyl (cream pebble patterned lino) backing.	Approx 6m ² Accessible	Chrysotile asbestos detected	Good Sealed Friable	Sample no. 7 (Oct 07)	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
5. Internal. Mercy Convent building & Chapel. Ground floor, old laundry area (under building upgrade at time of 2007 inspection), redundant flue pipes in ceiling space – formed or moulded fibre cement product.	Not quantified Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>No access to this room / item. Treat as asbestos containing until qualified by inspection. Access with caution.</p>					

No Photograph available

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
8. Internal. Mercy Convent building & Chapel. First floor, room A102, floor covering – suspect sheet vinyl (lino) backing. Beneath carpet.	Approx 8m ² Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x4) specific warning sign. Around skirting.</p> <p>No access to this room / item. Treat as asbestos containing until qualified by inspection. Access with caution. Under masonite boarding.</p> <p>January 2014 – Room A102 is Music store, no vinyl visible, possibly beneath masonite as the carpet has been removed.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
C. Central external staircase, stair landing, floor covering – vinyl tiles (beige)...	Approx 8m ²	No asbestos detected	-	Sample no. 11 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						No Photograph available
No asbestos detected upon laboratory analysis of sample						
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
3. Ground floor, room A6, residual floor covering remaining on timber floor boards – backing material assumed originating from vinyl with backing material.	Approx 6m ²	No asbestos detected	-	Sample no. 5 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						No Photograph available
No asbestos detected upon laboratory analysis of sample						
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
6. Ground floor, "Site Office" in north west wing area, floor covering – sheet vinyl (lino) backing.	Approx 150m ²	No asbestos detected	-	Sample no. 6 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						No Photograph available
No asbestos detected upon laboratory analysis of sample						
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
7. Ground floor, kitchen, "Sterlec" oven – possible insulating heat shield and wire sheathing.	Extent not able to be confirmed	Presume asbestos content	-	Visual	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						No Photograph available
January 2009: No Inspection - Item has been removed prior to 2009 audit. No record of removal available. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance.						
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
9. First floor, room A114, olive lino on bench – sheet vinyl (lino) backing.	Approx 0.5m ²	-	-	Sample no. 9 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						No Photograph available
Item has been removed prior to 2008 Inspection. No record of removal available at time of 2008 inspection. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance.						


LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
10. First floor, room A114, kitchen splashback, floor covering – vinyl tiles (green colour).	Approx 1m ²	No asbestos detected	-	Sample no. 8 (Oct 07)	-
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
No asbestos detected upon laboratory analysis of sample.					




No Photograph available



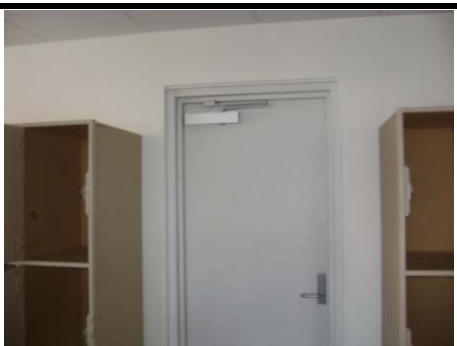
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
11. First floor, room A114, floor covering – sheet vinyl (lino) backing.	Approx 6m ²	-	-	-	-
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
Item has been removed prior to 2008 Inspection. No record of removal available at time of 2008 inspection. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance.					

No Photograph available

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
D. External. Dame Roma Mitchell Building including linked overhead walkway. First floor, north verandah, external/internal infill wall lining below window – fibre cement sheet (same item referred to internally, item 15).	Approx 100m ² Accessible	Chrysotile asbestos detected	Good Sealed Non friable	Sample no.'s 18 & 19 (Oct 07)	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x10) specific warning sign.</p> <p>October 2007: Sample no. 18 was deemed non-asbestos by laboratory analysis however this piece is assumed to be from a repaired section of lining. The remaining linings were indicative of sample no. 19 which was Chrysotile asbestos. Treat all as asbestos containing.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
E. External. Dame Roma Mitchell Building including linked overhead walkway. Overhead link way / walkway to Dunlevy Building, balustrade lining (both sides) – fibre cement thick sheet.	Approx 100m ² Accessible	Chrysotile asbestos detected	Good Sealed Non friable	Sample no. 26 (Oct 07)	Not visible
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product. Recommend install (x10) specific warning sign.</p> <p>December 2011: 5 sheets replaced No record of removal available. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance. Information to include air monitoring results and where applicable statutory government approvals.</p>					
					
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
12. Internal. Dame Roma Mitchell Building Ground floor, 2 x toilet areas either side of reception, toilet partitions – fibre cement thick sheet.	Approx 16m ² Accessible	Presume asbestos content	-	Visual	-
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>No Inspection - Item has been removed during major refurbishment of building, prior to audit. No record of removal available. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance. Information to include air monitoring results and where applicable statutory government approvals.</p>					
					
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
14. Internal. Dame Roma Mitchell Building Ground floor, southwest classroom M7, south west corner above openings in ceiling space, vertical infill linings – fibre cement sheet. (Above window.)	Approx 2m ² Limited access	Presume asbestos content	Good Unsealed Non friable	Visual	Not visible
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p> <p>January 2014 – New dropped ceiling has been installed, item still exists above.</p>					
					

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
15. Internal. Dame Roma Mitchell Building First floor, enclosed north verandah, external/internal infill wall lining below window – fibre cement sheet (same item referred to externally, item D).	Approx 100m ² Accessible	Chrysotile asbestos detected	Good Sealed Non friable	Sample no.'s 18 & 19	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x10) specific warning sign.</p> <p>December 2012. - Recommend make safe 1.5 meter crack western end in accordance with “Asbestos Approved Code of Practice”.</p> <p>January 2014 – Repaired by others.</p>					
					
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
17 Internal. Dame Roma Mitchell Building. First floor, M102 classroom, internal door to M106, fire door, internal core – compressed fibre insulation.	Not quantified Limited access	Presume asbestos content	-	Visual	-
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>No Inspection - Item has been removed during major refurbishment of building, prior to audit. No record of removal available.</p> <p>Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance. Information to include air monitoring results and where applicable statutory government approvals.</p>					
					
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
18 Internal. Dame Roma Mitchell Building. First floor, M104 classroom, internal door to M107, fire door, internal core – compressed fibre insulation.	Not quantified Limited access	Presume asbestos content	-	Visual	-
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>No Inspection - Item has been removed during major refurbishment of building, prior to audit. No record of removal available.</p> <p>Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance. Information to include air monitoring results and where applicable statutory government approvals.</p>					
					



REGISTER: AS 2350

DATE: 31/01/2014




ADDRESS: Building & Dunlevy House
Wakefield St, Adelaide

NEXT REVIEW RECOMMENDED: 01/2015

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
13. Ground floor, female toilet, infill behind cistern – fibre cement sheet.	Approx 1m ²	No asbestos detected	-	Sample no. 20 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
16. First floor, enclosed northern verandah lining including porch linings to room M101/2 & M103/4– fibre cement sheet.	Approx 120m ²	No asbestos detected	-	Sample no.'s 22, 23, 24, & 25	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
19. First floor, riser from ground floor partly accessible from ceiling space in room 109, spray on insulation to metal duct – fibrous material.	Approx 10m ² visible (possibly more hidden in riser)	No asbestos detected	-	Sample no. 21 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	
F. External. Expressive Arts building. Ground floor, lobby entrance at north west corner, porch lining – fibre cement sheet.	Approx 2m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p>						
G. External. Expressive Arts building. First floor, northwest porch / lobby area, porch ceiling lining – fibre cement sheet.	Approx 4m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p>						
20. Internal. Expressive Arts building. Basement, change rooms, shower partitions – fibre cement thick sheet.	Approx 12m ² Accessible	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS						
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x6) specific warning sign.</p> <p>Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.</p>						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
21. Internal. Expressive Arts building. Stairwells, fire doors, internal core – compressed fibre insulation.	Not quantified Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x6) specific warning sign. Treat all fire doors as having an asbestos internal core unless confirmed otherwise by sample analysis.</p>					



LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
23. Internal. Expressive Arts building. Second floor, Pottery Area, "Ridgeway" small kiln, external lining to kiln – fibre cement sheet.	Approx 3m ² Accessible	Chrysotile & amosite asbestos detected	Moderate Unsealed Non friable	Sample no. 14 (Oct 07)	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x6) specific warning sign. Monitor condition. Slight cracking visible. Recommend planned removal in accordance with "Asbestos Approved Code of Practice".</p> <p>December 2012. - Recommend removal in accordance with "Asbestos Approved Code of Practice". As interim Recommend make safe cracks on all sides and top of item in accordance with "Asbestos Approved Code of Practice".</p> <p>January 2014 - Previous recommendations still apply.</p>					





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LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
H. Second floor, above northwest porch / lobby area on first floor, wall lining – fibre cement sheet.	Approx 10m ²	No asbestos detected	-	Sample no. 16 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
I. Roof façade & eaves lining – fibre cement thick sheet.	Perimeter - approx 200m ²	No asbestos detected	-	Sample no. 17 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
J. Roof, gable ends to skylight, infill lining – fibre cement sheet.	2 ends – approx 2m ² each	No asbestos detected	-	Sample no. 15 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
22. Second floor, Pottery Area, "Ridgeway" large kiln, external front door and side lining to kiln – fibre cement sheet.	Approx 4m ² in total	No asbestos detected	-	Sample no. 12 & 13 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
K. External McAuley Centre & Auditorium. South stairway to first floor auditorium, balustrade panels (both sides of rail) – fibre cement thick sheet.	Approx 60m ² Accessible	Presume asbestos content	Good Sealed Non friable	Visual	Not visible



SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS

Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.

Recommend install (x6) specific warning sign.

Recommend sample (x2) to qualify material content, otherwise treat item as asbestos containing.

Monitor condition. Some cracking in corners.

December 2012. - **Recommend make safe broken corners in accordance with “Asbestos Approved Code of Practice”.**

January 2014 - Previous recommendations still apply.

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
L. External McAuley Centre & Auditorium Front entry verandah to library at first level, verandah lining – fibre cement sheet.	Approx 15m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible





SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS

Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.

Recommend install (x3) specific warning sign.

Recommend sample (x1) to qualify material content, otherwise treat item as asbestos containing.

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	
M. External McAuley Centre & Auditorium North side of building, roof level facades – fibre cement thick sheet.	Approx 40m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product. Recommend install (x3) specific warning sign. Recommend sample (x2) to qualify material content, otherwise treat item as asbestos containing. Monitor condition. Some cracking in corners.</p>						
N. External McAuley Centre & Auditorium. South side of library (above external stair landing), facade lining over windows – fibre cement thick sheet.	Approx 8m ² Limited access	Presume asbestos content	Good Sealed Non friable	Visual	Not visible	
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product. Recommend install (x3) specific warning sign. Recommend sample (x2) to qualify material content, otherwise treat item as asbestos containing.</p>						
26. Internal McAuley Centre & Auditorium. Ground floor, adjacent canteen, toilets, toilet partitions – fibre cement thick sheet.	Approx 10m ²	Assume asbestos cement	-	Visual	-	<p style="text-align: center;">No Photograph available</p>
<p>SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS</p> <p>December 2011: No Inspection - Item has been removed prior to audit. No record of removal available. Recommend gather any asbestos removal or maintenance information and include/document this into the work/access section of the register to gain compliance. Information to include air monitoring results and where applicable statutory government approvals.</p>						



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LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
24. Ground floor, canteen, "Wooden" pie warmer, electrical component box – possible insulating heat shield and wire sheathing.	Extent not able to be confirmed	Presume asbestos content	-	Not accessed	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS Informed by John Bennett item removed.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
25. Ground floor, canteen floor covering – sheet vinyl (orange pebble patterned lino) backing.	Appro 25m ²	No asbestos detected	-	Sample no. 3 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph available
27. First floor, Library AV Room & Discussion Room ceiling coating – vermiculite coating.	Approx 150m ²	No asbestos detected	-	Sample no. 1 & 2 (Oct 07)	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos detected upon laboratory analysis of sample						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS	No Photograph
External. General Site (Including Pool Area). All areas. No asbestos visible.	-	-	-	-	-	
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS No asbestos visible upon inspection.						

LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
O. Internal. General Site (Including Pool Area). . Pool pump shed, general pipe gaskets – compressed fibre material.	Not quantified Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Treat all gaskets (other than rubber or cork) as asbestos containing unless confirmed otherwise by sample analysis.</p>					
					
LOCATION - DESCRIPTION	EXTENT	ASBESTOS ASSESSMENT	CONDITION	SAMPLE NO VISUAL TEST	SIGNAGE STATUS
P. Internal. Pool pump shed, "Laars" boiler– possible door seals, gaskets, insulation blocks, heat shield & lining.	Not quantified Limited access	Presume asbestos content	Not assessed	Not accessed	Not visible
SURVEY FINDINGS and HAZARD MANAGEMENT RECOMMENDATIONS					
<p>Low Risk P4 – Avoid physical and mechanical damage. When maintenance/upgrade is required, recommend removal and reinstate with non-asbestos product.</p> <p>Recommend install (x1) specific warning sign.</p> <p>Treat all gaskets (other than rubber or cork) as asbestos containing unless confirmed otherwise by sample analysis.</p>					
					

Appendix B – CERTIFICATES OF ANALYSIS

Samples submitted for laboratory analysis are analysed in accordance with NATA approved methods for analysis. Certificates of analysis are provided by the laboratory as a reference of the results for inclusion into the register.

Samples as received in our offices (taken by others) are analysed in accordance with NATA approved methods for analysis, No responsibility is taken for the actual sampling collection technique, determination of sample location, and the consequent bearing on the sample result.

Limitations of Sample Analysis

The certificate of analysis provided by the laboratory is a record of asbestos or non-asbestos content of the sample piece provided for analysis.

Generally sample size is approximately 30mm square for a non-friable material where the material is accessible to sample. Consideration is given to minimise damage to clients property where taking necessary samples as it is difficult to remove a sample from installed materials such as flushed fixed panel wall, ceiling linings and fixed floor coverings. In other cases it may not be safe to access materials to take samples such as electrical panels, and integral gasket / seal or insulation materials to plant and equipment.

Inconclusive Sample Identification

In some instances it is not possible to determine asbestos fibre content within a sample using the NATA approved method (PLM – polarized light microscopy). Items such as vinyl floor products, adhesives and mastics due to low asbestos content and/or non uniform asbestos fibre concentration are often difficult to analyse. Due to the nature of these materials the NATA laboratory has recommended that the material be tested using another independent technique (XRD – x-ray diffraction), where PLM and XRD analysis have been made two certificates of analysis will be supplied.

XRD can determine what group of minerals are present in the sample i.e. Serpentine and or Amphibole however the test does not specify what type of asbestos fibre is present. The result may show a sample for example from the Amphibole group but this does not confirm the mineral is actually an asbestos fibre; however the material is presumed to contain asbestos and will be treated as asbestos.

Representative Sample Analysis

Asbestos content can vary within a material dependant upon factors such as installation procedures, differences in stocks and supplies, time differences in stages of construction and physical mixing of varying quantities of asbestos with other materials. Sections of asbestos containing materials may have also been replaced with non-asbestos materials that look identical from inspection (eg damaged eaves or wall cladding patched or repaired with non-asbestos). Inconsistencies in sample results may be possible due to the inspected materials within a property not being typical throughout. Carter Corporation accepts no responsibilities for the representativeness of the sample(s) presented for analysis.



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Appendix C – REGISTER DRAWING

LEGEND: This drawing is indicative only, not to scale and is to be read in conjunction with register.

- X = designates ceiling access point
- (A.) = letters indicate location of external asbestos containing materials, refer to asbestos register location schedule
- (1.) = no.'s indicate location of internal asbestos containing materials, refer to asbestos register location schedule



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Appendix D – ASBESTOS WORK RECORDS