

GREENCAP

Incorporating AEC Environmental

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CERTIFICATE OF INSPECTION FOR ASBESTOS

NO. NT0687F

Northern Territory Department of
Infrastructure

Visiting Officer Quarters

Lot 227 Ngukurr NT

December 2014

J1308053

C114287



Certificate of Inspection for Asbestos
Northern Territory Department of Infrastructure
Visiting Officer Quarters, Lot 227 Ngukurr NT



Prepared for:
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NT Department of Infrastructure
PO Box 61
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Date: December 2014
Register No: NT0687F
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Our Ref: PF

Prepared by:
Greencap

Written/Submitted by:

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Statement of Limitations

This report has been prepared in accordance with the agreement between the Northern Territory Department of Infrastructure and Greencap.

Within the limitations of the agreed upon scope of services, this work has been undertaken and performed in a professional manner, in accordance with generally accepted practices, using a degree of skill and care ordinarily exercised by members of its profession and consulting practice. No other warranty, expressed or implied, is made.

This report is solely for the use of the Northern Territory Department of Infrastructure and any reliance on this report by third parties shall be at such party's sole risk and may not contain sufficient information for purposes of other parties or for other uses. This report shall only be presented in full and may not be used to support any other objective than those set out in the report, except where written approval with comments are provided by Greencap.

Certificate of Inspection for Asbestos

Northern Territory Department of Infrastructure

Visiting Officer Quarters, Lot 227 Ngukurr NT

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1.0 INSTRUCTIONS

Greencap was contracted by the Northern Territory Department of Infrastructure (“the client”) to conduct an inspection of the Visiting Officer Quarters at Lot 227 Ngukurr NT.

The property was inspected in December 2014. The inspection procedure used was in accordance with the Northern Territory Australian *Work Health & Safety (National Uniform Legislation) Regulations 2012, Chapter 8 Asbestos, Part 3 Management of Asbestos and Associated Risks*. All reasonable steps have been taken to identify asbestos containing materials (ACM) in the building. Inaccessible areas and areas requiring destruction or demolition have not been inspected. An intrusive or destructive audit is required if demolition or significant alterations are contemplated.

2.0 PURPOSE OF AN ASBESTOS REGISTER

An asbestos register inspection survey is a non-destructive audit to identify accessible and visually evident asbestos containing materials (ACM). The purpose of an asbestos register is to ensure that persons conducting a business or undertaking, (which includes workers, contractors, clients and other stakeholders) and persons with management or control of a workplace are aware of the location, type, condition and risk, in order to avoid inadvertent disturbance of the ACM.

Importantly, an asbestos register details the type condition and location of accessible asbestos materials to assist with the adoption of appropriate & regulatory asbestos management practices.

It is a requirement of asbestos management regulations that regular inspections of the asbestos are conducted by a competent person, firstly to identify the type, condition and location of asbestos and secondly to assess any changes in the state of the asbestos.

It is important to note that this report is not intended for use as a pre demolition or pre refurbishment survey. If demolition, significant alterations or refurbishment incorporating demolition or structural disturbance is contemplated, please contact Greencap for information regarding recommendations relevant to an intrusive audit.

3.0 REGULATORY FRAMEWORK FOR ASBESTOS MANAGEMENT

On the 1st January 2012, The Northern Territory implemented the nationally harmonized *Work Health & Safety (National Uniform Legislation) Regulation*. The regulations proclaim that a Person with Management or Control of a Workplace must ensure that an asbestos register is prepared and is kept and accessible at the workplace. Additionally, a Person Conducting a Business or Undertaking (PCBU) must ensure that exposure of a person to airborne asbestos is eliminated so far as is reasonably practicable.

Furthermore, a Person with Management or Control of a Workplace must ensure that a written Asbestos Management Plan (AMP) is prepared and is available and accessible, with established policies and procedures for the management of asbestos at a workplace, together with procedures for detailing incidents or emergencies involving asbestos containing materials at the workplace. These policies should be strictly adhered to and enforced by the Person with Management and Control of a Workplace and other persons (as defined) so that safe work practices in relation to asbestos management are in place as prescribed and required under the regulations.

Please contact Greencap for assistance with the development of an Asbestos Management Plan.

A copy of the register must be kept at the workplace and be available for inspection by:

- Workers who have carried out, carry out or intend to carry out work at the workplace
- Health and Safety Representatives
- A person conducting a business or undertaking who has carried out, carries out or intends to carry out, work at the workplace, (e.g. Contractors)
- A person conducting a business or undertaking who has required, requires, or intends to require work to be carried out at the workplace

4.0 LIMITATIONS

Asbestos is known to have been used in some 3,000 building products, the most common being in fibro cement products, vinyl flooring, electrical switchboards and insulation materials to hot water and steam pipes. However, asbestos can also be found in many other products located in **inaccessible components** of buildings, plant and equipment including the following areas:

- Interior parts of air conditioning systems
- Wall cavities, slabs, underside of floors
- Interior workings of plant and equipment
- Services, in ceiling or floor spaces or underground
- Wall “chased” lagged pipework
- Floor coverings subsequently overlaid
- Where asbestos products have been removed (e.g. vinyl floor coverings), then residue may exist under skirting boards and/or subsequently laid floor coverings.

Whilst this report provides approximate measurements and quantities of some materials found, we stress that they are approximate only. Accurate details would require a further visit to the site.

The work involved in preparing an Asbestos Register is based on visual inspection of the building and/or plant and equipment. As well, representative samples of suspect materials are collected and reasonable assumptions are made from those samples. These samples may not be a true representation of every element, part or component of the area of material concerned. Further, it is becoming increasingly apparent that some building materials containing asbestos have been removed and replaced by non-asbestos containing materials, particularly cement sheeting. In numerous cases only partial removal has occurred, leaving asbestos product remaining and this is often painted. While appropriate sampling has occurred the only sure determinant is to sample and analyse every section or piece in question. Full clarification would require a further visit to the site to obtain and analyse appropriate samples.

This asbestos register includes known asbestos building products detected in the course of the inspection. Additionally, where applicable, assumptions made on where asbestos is likely to be found are also stated. In some cases, builders have been known to mix asbestos into materials that would not normally contain asbestos (e.g. mortar, plaster, renders etc.) and, unless stated otherwise, these have not been sampled during the course of this survey. If an inaccessible area is suspected of having asbestos, it may need further verification. The decision regarding this will remain purely at the discretion of the client.

It is important to note that this report is not intended for use as a pre demolition or pre refurbishment survey. If demolition, significant alterations or refurbishment incorporating demolition or structural disturbance is contemplated, please contact Greencap for information regarding recommendations relevant to an intrusive audit.

There is no known instrument available for in-situ asbestos detection. Asbestos is a naturally occurring mineral of inert characteristics. **For the above reasons, including the inaccessibility of many asbestos products, no guarantee can be given, express or implied, that the inspection will reveal all the asbestos containing materials that may be located in the workplace described in this report.**

This report should be read in conjunction with any other asbestos related reports and or communication / documentation prepared for the property. No individual section of this report should be read in isolation without taking the whole report into account. If the report is to be copied for whatever reason the whole of the report should be included.

5.0 INSPECTION REPORT

An inspection of the buildings was undertaken using a systematic procedure developed by Greencap. Identification of asbestos and/or products containing asbestos cannot be carried out with any known in-situ measuring instrument and final confirmation of asbestos can only be determined by laboratory analysis. The inspection procedure developed relies on identifying asbestos containing materials by visual means. Representative samples of materials that are considered to contain asbestos are often taken for analysis to confirm the presence of asbestos.

Two sample(s) was/were taken for laboratory analysis (Refer Appendix A for Laboratory Test Report).

Location	Material Tested	Result
Internal		
Vinyl floor tile in entrance	Vinyl floor tile	No asbestos detected
Internal wall linings excluding front bedroom	Cement sheet	No asbestos detected
Ceiling lining – front bedroom, hallway, toilet & bathroom	Cement sheet	No asbestos detected

6.0 CONCLUSION

The inspection carried out did not identify any asbestos in the building.

As stated in section 5 of this report, if any demolition or significant alterations are proposed, an intrusive audit is required. The limitations outlined in Section 4 of this report, specifically in regard to the inaccessibility of some asbestos products, should also be taken into account.

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Northern Territory Department of Infrastructure
Visiting Officer Quarters, Lot 227 Ngukurr NT

Appendix A: Laboratory Test Report

ASBESTOS IDENTIFICATION REPORT No. NT0687 - NGUKURR

CLIENT: Department of Infrastructure
ATTENTION: Michael Lloyd
LOCALITY: Lot 227 Ngukurr

RECEIVED IN LAB: 17 December 2014
REPORT DATE: 23 December 2014
SAMPLED BY: Paul Felvus

Test Methods: In house method LOP-002 Asbestos Identification by Polarised Light Microscopy including Dispersion Staining (Based on AS4964-2004 Method for the qualitative identification of asbestos in bulk samples) and In house method LOP-005 Serpentine Detection and Chrysotile Non-detection by X-ray diffraction

No	Location	Dimensions	Description	Asbestos by PLM	Chrysotile by XRD	Organic Fibre
INTERNAL						
1	Vinyl floor tile	45x35x3mm	Brown vinyl floor tile		No	
2	Internal wall linings excluding front bedroom	10x10x2mm	Pale brown cement sheet, painted orange	No		Yes
3	Ceiling lining – front bedroom, hallway, toilet & bathroom	10x5x2mm	Pale brown cement sheet, painted orange	No		Yes

Approved Identifier and Signatory (PLM)



Naciye Haliloff

Testing Officer and Signatory (XRD)



Michael Till

Please note that the results contained in this report relate only to the sample(s) submitted for testing. Sample Dimensions and Descriptions are approximate only. PLM = Polarized Light Microscopy, XRD = X-ray diffraction. Serp = Serpentine
 There are three minerals in the **Serpentine** mineral group – chrysotile, antigorite and lizardite Chrysotile is commonly known as white asbestos, Amosite is commonly known as brown asbestos and Crocidolite as blue asbestos. SMF (Synthetic Mineral Fibre) is commonly known as glass fibre and was not detected. Organic Fibre includes natural fibres and synthetic organic fibre. A blank in the Organic Fibre column implies not detected. A blank in the PLM or XRD columns implies not tested by this method.