MORE ENVIRONMENTAL
PROPERTY RISK CONSULTANTS

Targeted Asbestos Refurbishment Survey

Address:
Central Fire Station
40 Pitt Street
Auckland
1010

Submitted to:
NZPFU
PO Box 38213, Wellington Mail Centre, Lower Hutt 5045

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Project Reference: M-00235.003

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Project Details

Report Name:	Targeted Asbestos Refurbishment Survey
Client Name:	NZPFU
Site Details:	Central Fire Station, 40 Pitt Street, Auckland, 1010
Project Reference:	M-00235.003
More Environmental Surveyors:	Alex Wood and Jonathan Scott
More Environmental Survey Date:	21/04/2023 – 24/04/23

Report Version

Version / Date	Review Process:			Issued to:	Summary of changes from previous version:
	Reported:	Reviewed:	Approved:		
VerA 25/04/23	AW	JS	JS	Client	None: First Version of Report

Report Review

Reported by:		Technical Review by:		Authorised for Issue by:	
					
Name:	Alex Wood	**Name:**	Jonathan Scott	**Name:**	Jonathan Scott
Position:	General Manager	**Position:**	Principal Consultant	**Position:**	Principal Consultant
Relevant Qualification:	BOHS P401 – P405	**Relevant Qualification:**	BOHS P401 – P405	**Relevant Qualification:**	BOHS P401 – P405
Date:	25/04/2023	**Date:**	25/04/2023	**Date:**	25/04/2023

Any measurements of the extent of asbestos containing materials are estimates only. Contractors pricing for asbestos remediation / removal works must satisfy themselves with their own measurements as to the precise extent of any asbestos containing materials before quoting for the work.

This report does not cover any investigation into asbestos contaminated land or soil.
This report must not be re-produced unless in full.
Failure to use the information in this report correctly could result in incorrect assumptions being made.
This document is not intended as a scope of works for asbestos removal.

Section 1 – Background and Introduction

Following positive third-party textured coating sampling in the Northern Accommodation Block of Central Fire Station during large-scale upgrade works, More Environmental Ltd were commissioned by NZPFU to conduct a Targeted Asbestos Refurbishment Survey of the Northern Block Accommodation Areas of the Central Fire Station, 40 Pitt Street, Auckland, 1010.

The scope of this survey was both to locate and identify asbestos containing materials (ACMs) within the structures described by the client and to locate, qualify and quantify (where possible) the extent of any ACM contamination following the aforementioned positive textured coating discovery. It should be noted that the survey was commissioned once the large-scale upgrade had already begun and, in some areas, had been completed. More Environmental did not utilise intrusive sampling in areas where refurbishment works were concluded (for example the laundry or completed 2nd floor bedrooms). In addition, More Environmental were not able to work off a PCBU refurbishment scope as none was able to be provided on request.

This report is designed to be kept as a record of assessment of the extent and characteristics of ACMs and is based on information made available on 21/04/2023 – 24/04/23. The survey was carried out by suitably qualified, experienced and competent More Environmental Ltd consultants. The Surveyors are referenced on the project details page. The survey definition can be found in Section 4.3 – Survey Methodology.

Section 2 - Executive Summary

Risk Assessment Score Summary:				
Risk / Score:	Very Low (4 or less)	Low (5-6)	Medium (7-9)	High (10 or more)
No. of Items:	2	-	2	6

All high-risk items found are located in the roof void of level 2. More Environmental recommends the immediate restriction of access to this area. As contractor/tradesman access (roofers, ducting installers, cablers etc) will inevitably require access to this area, the removal of these items should also be scheduled.

No migration of friable dust and debris from roof void was detected in the levels below. Although due to the nature of the ducting works undertaken (cutting through the ceiling tiles to feed ducting to rooms below), the scale of the contamination in the roof void area and the extend of time which has since passed, the historical contamination of this area cannot be excluded. In addition, despite abundant bulk and swab sampling, no positive textured coatings were found.

Professional judgement and experience has been used in the identification and location of materials suspected of containing asbestos in accessible and representative areas. However, it is not possible without substantial stripping and demolition of the building to guarantee that every source of asbestos was detected. Hence care should be exercised when opening any previously not inspected and non-accessible areas.

Section 3 - Areas or Items of Limited Access or No Access

This section of the report lists any areas where access could not be gained or where access was limited during inspections, it is important that the areas listed in this section are taken into account when planning access / minor maintenance works in any area of the site or building.

Where it is noted that limited or no access has been gained then it must be presumed that asbestos containing materials are present in this area unless further investigation proves otherwise.

Central Fire Station		
Location / Location Number - Room	Access / Notes	Photo
2nd Floor First Aid (Room 022)	No Access The room could not be accessed because the door was locked. Sampling of dust and debris in the corridor outside the room was negative for the presence of asbestos. Should future refurbishment works be required inside the room then an inspection of the room is required.	
2nd Floor Room 25 (Room 023)	No Access The room could not be accessed because the door was locked. Sampling of dust and debris in the corridor outside the room was negative for the presence of asbestos. Should future refurbishment works be required inside the room then an inspection of the room is required.	

While all inspections are conducted in a thorough and conscientious manner, More Environmental Ltd unfortunately cannot guarantee that all asbestos has been located on the site. Section 7 outlines the limitations of the asbestos survey.

Section 4 - Survey Planning

Details of information requested from the client by More Environmental in order to carry out a desk top review and plan the survey in accordance with New Zealand Good Practice Guidelines Conducting Asbestos Surveys were recorded on our pre-survey questionnaire, along with details of all the information that were provided on behalf of the client.

The Information provided was assessed during the desktop review and a survey plan, and risk assessment was produced for the survey of:

Northern Block Accommodation Areas of the Central Fire Station, 40 Pitt Street, Auckland, 1010

Where information was provided regarding the presence of known or presumed ACMs, then this has been validated during the course of the survey and recorded within this report.

Section 4.1 - Legislation and Guidance Documents

The following legislation and guidance documents have been adhered to in relation to the production of this report.

- Health and Safety at Work Act 2015.
- Health and Safety at Work (Asbestos) Regulations 2016.
- WorkSafe New Zealand Approved Code of Practice 'Management and Removal of Asbestos' (November 2016).
- WorkSafe New Zealand Good Practice Guidelines 'Conducting Asbestos Surveys' (October 2016).

Section 4.2 - Asbestos Survey Plan

Information in the section has been provided in consultation with NZPFU and More Environmental as part of the desk top study.

Client:	NZPFU	Contact:	Conrad Pentecost

Site:	Central Fire Station	Site Contact:	Conrad Pentecost
Site Address:	40 Pitt Street Auckland 1010	Tel:	-
		Email:	Conrad.Pentecost@fireandemergency.nz
		Access Arrangements:	Client to provide
Parking arrangements:		Available at site	

Type of Survey:	Targeted Asbestos Refurbishment Survey
Survey Scope:	To retrospectively undertake an inspection of the refurbishment areas as well as qualifying and quantifying the extent of any ACM/ACD contamination to the accommodation area.
Any known access restrictions:	Intrusive access to already completed areas of the works area unavailable. Access to areas contaminating personal belongings of Fireman restricted.
Builder or other tradesman required to assist	None Required
Other requests:	None

Building type:	Fire station accommodation and utility/gym areas.	No. of buildings:	1
Year of construction:	Estimated to be before 1950s	Total floor area of buildings:	3000m2
Occupied during survey:	No – restricted access	Asbestos history available for the site:	2020 Management Survey provided
Type of plans supplied:	None	Additional information:	See Section 1 - Introduction

ACCESS AREA	INCLUDED	COMMENTS OR NOTES
Access height included	Yes	All areas
Roof space areas	Yes	Area above 2nd Floor Accommodation
Ceiling spaces	Yes	Area above 1st Floor Accommodation
Confined spaces	N/A	None
Electrical equipment	No	Electrics Live
Plant or machinery	N/A	None
Lift shafts	N/A	None
Roof	No	Internal areas only
Boxing	Yes	If refurbishment not completed.
Floor voids	Yes	Where possible
Risers and void spaces	Yes	Where possible
Locked rooms / areas	No	Locked areas to be kept closed to avoid contamination
Behind known or presumed asbestos	Yes	-

Section 4.3 - Survey Methodology

This survey has been undertaken in accordance with New Zealand Good Practice Guidelines Conducting Asbestos Surveys and More Environmental technical procedures.

Clients of More Environmental that have signed our terms and conditions are deemed to have agreed, and accepted, our surveying approach, our sampling strategy, and our standard planning, surveying and reporting format unless they have made specific requests to the contrary.

The information provided by the client or their representative are recorded in the planning document and have been used to define the scope of the survey.

Photographs of suspected ACMs were taken at the time of the survey unless the client expressly requested otherwise. Sampling points and suspected ACMs have not be identified with labels unless the client expressly requested otherwise.

All fibrous materials and items have been included in the survey unless, in the surveyors professional opinion, these items can be excluded (e.g. wood, wallpaper, man-made mineral fibre). Samples of thermoplastic floor coverings were taken unless, in the surveyors professional opinion, such items can be excluded. Textured coatings and novel bituminous were sampled.

Areas that could not be accessed were presumed to have ACMs present until proven otherwise. Each area requiring further inspection is documented within Section 3 - Areas or Items of Limited Access or No Access.

Materials that could not be accessed and in the surveyors opinion can be dismissed will be presumed to be ACM unless proven otherwise. Materials that are not sampled but, in the surveyors opinion, have a similar appearance, location and function as a previously sampled material will be strongly presumed to be similar to the sampled material.

The quantity of samples taken may have been minimised by using 'strongly presumed' as defined above. Materials that are 'strongly presumed' to be similar to a material that has already been sampled was recorded in the comments section of the survey and referenced against the original sampled material.

Intrusive damage that is required to gain access to an area/location that is within the scope of the survey has been agreed with the client or the clients' representative. Any remedial action will be put in place before such action is attempted. If remedial action cannot be arranged, no attempt to access the area will be made and the reasons recorded. The area/location will be presumed to have ACMs present until proven otherwise.

Non fibrous materials and item known not to contain asbestos (e.g. breeze block, plaster, plasterboard, plastics and non-textured paints) will be excluded from the survey unless the surveyor suspects that these materials have been contaminated with asbestos from other sources or specifically requested by the client.

Older electrical equipment, which cannot be shown to contain ACMs, has been presumed to have ACMs present unless, in the surveyors professional opinion, such items can be excluded.

Section 4.4 - Type of Survey – Targeted Refurbishment Survey

The purpose of a Targeted Refurbishment Survey is to help the client identify asbestos in areas prior to major refurbishment. It provides sufficient information to help the tendering process for removal works prior to any works starting, however it is strongly recommended that any asbestos removal should be undertaken against a detailed specification. We further recommend that the appointed removal contractor should attend site themselves to confirm the quantities and location of asbestos to be removed prior to costings.

Surveys are intended to locate all the asbestos in the building (or the relevant part), as far as reasonably practicable. It is a disruptive and fully intrusive survey which may need to penetrate all parts of the building structure. Aggressive inspection techniques will be needed to lift carpets and tiles, break through walls, ceilings, cladding and partitions, and open up floors. In these situations, controls should be put in place to prevent the spread of debris, which may include asbestos.

Refurbishment / Demolition surveys should only be conducted in unoccupied areas to minimise risks to the public or employees on the premises. Ideally, the building should not be in service and all furnishings removed. For minor demolition, this would only apply to the room involved or even part of the room where the work is small and the room large. In these situations, there should be effective isolation of the survey area (e.g. full floor to ceiling partition), and furnishings should be removed as far as possible or protected using sheeting. The 'surveyed' area must be shown to be fit for reoccupation before people move back in. This will require a thorough visual inspection and, if appropriate (e.g. where there has been significant destruction), reassurance air sampling with disturbance. Under no circumstances should building occupants remain in rooms or areas of buildings when intrusive sampling is performed.

Section 4.5 - Survey Process

Representative samples of suspect materials were obtained from the building and essential plant where it was considered that asbestos may be present. These locations were determined based on the surveyor's professional judgement and experience. Whilst we have endeavored to identify and sample all ACMS in accessible locations and using intrusive inspection techniques where possible, sometimes asbestos containing materials are present in locations that could not reasonably have been expected to be found and only become apparent during major refurbishment or demolition itself. We recommend that anybody carrying out refurbishment or demolition work has received asbestos awareness training and that procedures are in place in case of discovery of un-identified items of asbestos during works.

The identification of ACMs and suspected ACMs involved the following;

- The attendance of a competent person who is suitably qualified and experienced to undertake the inspection.
- Visual inspection of all the accessible areas in accordance with the survey plan.
- Intrusive access where required.
- The collection and recording of asbestos register data.
- Taking representative samples of any suspect materials identified as required.
- Arrangement of the testing of collected samples by an independent IANZ accredited laboratory to confirm presence/absence of asbestos from the samples.
- Material assessment of asbestos containing materials identified on the site.
- The creation of an asbestos register and final report with recommendations.

Section 5 - Site Details

Site Details and Use:	Site Purpose: Accommodation
Number of Buildings:	1

Section 5.1 - Building Details

Building Details	
Building Name / Number:	Central Fire Station
Estimated Age:	Circa 1950s
Levels:	3 (first, second and roof space)
Renovations:	Significant recent refurbishment has been taking place. Works have been on hold due to a possible exposure/contamination incident. See Section 1 – Introduction for more information.

Areas Inspected as Part of Survey

Central Fire Station		
Location / Location Number – Room:	Samples Taken or Presumed Items in Area	Non-Suspect Construction Materials:
1st Floor 001 Stairwell	Yes	Ceiling - Concrete Stair nosings - Rubber Wall - Textured Coating (sampled) to concrete Window Putty - Composite Product (sampled) Floor - Concrete and modern coverings
1st Floor 002 Laundry and Cupboard	Yes	Ceiling - Compressed fibreboard suspended panels Floor - Ceramic tiled brick / block / concrete Insulation Debris – Insulation (Sampled) Textured coating wall debris - Textured Coating (Sampled) Wall - Modern fibre cement panels Boxing – Possible ACM beneath / possible ACM offcuts visible. Outside scope of works. Cupboard door backing (sampled)
1st Floor 003 Corridor and Hall	Yes	Ceiling - Plasterboard Textured coating to ceiling - Textured Coating (sampled) Wall – Plasterboard Floor - Concrete and carpet
1st Floor 004 Main Corridor	Yes	Ceiling – Concrete and suspended ceilings (sampled) Concrete filling compound to ceiling voids (sampled) Dust to floor - Debris / Dust Deposits (various sampled) Floor - Concrete, carpet and modern covering Floor Tiles (sampled) Modern Electrics - No asbestos suspected

1st Floor 005 Bedroom 1	No	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering
1st Floor 006 Bedroom 2	No	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering
1st Floor 007 Bedroom 3	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 008 Bedroom 4	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 009 Bedroom 5	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 010 Bedroom 6	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 011 Bedroom 7	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 012 Bedroom 8	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 013 Bedroom 9	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled) Floor Covering Composite (Vinyls) – (sampled)
1st Floor 014 Bedroom 10	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 015 Bedroom 11	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 016 Bedroom 12	Yes	Ceiling – Concrete Wall – Masonry and Plasterboard

		Floor - Concrete, carpet and modern covering Cupboard - Debris / Dust Deposits (sampled)
1st Floor 017 Bathrooms and showers	Yes	Bathroom Products - No asbestos suspected Ceiling – Plasterboard Wall - Plasterboard Insulation behind toilet (sampled) Shower and toilet partitions - Modern Floor - Ceramic tiled brick / block / concrete
2nd Floor 018 Stairwell	Yes	Ceiling - Concrete Textured coating to wall (cross referenced) Wall - Concrete Floor - Concrete, carpet and modern covering Stair nosing - Rubber
2nd Floor 019 Entrance foyer	Yes	Ceiling - Concrete Textured coating to ceiling (cross referenced) Wall - Plasterboard Floor - Concrete and carpet
2nd Floor 020 Laundry	Yes	Ceiling - Plasterboard Adhesive to underside of screed (sampled) Wall – Masonry and Plasterboard Floor - Concrete and modern coverings Boxing to ceiling around pipework - plasterboard
2nd Floor 021 Store	Yes	Ceiling - Concrete Debris - Debris / Dust Deposits Floor - Timber Textured coating to wall - Textured Coating Wall - Concrete
2nd Floor 022 First Aid	Unknown	No Access
2nd Floor 023 Room 25	Unknown	No Access
2nd Floor 024 Female Toilet	Yes	Ceiling - Plasterboard Floor - Concrete and modern coverings Floor Vinyl – (sampled) Partitions - No asbestos suspected Wall – Masonry and Plasterboard Pipework – Various types of insulation visible (sampled)
2nd Floor 025 Male Toilet	Yes	Ceiling - Plasterboard Floor - Concrete and modern coverings Wall – Masonry and Plasterboard Pipework - Various types of insulation visible (cross referenced)
2nd Floor 026 Corridor	Yes	Ceiling - Plasterboard Settled Dust to Surfaces - Debris / Dust Deposits (sampled) Textured coating to wall (cross referenced) Wall – Masonry, Concrete and Plasterboard

		Floor - Concrete and modern coverings
2nd Floor 026 Corridor under construction	Yes	Ceiling - Plasterboard Settled Dust to Surfaces - Debris / Dust Deposits (sampled) Wall – Masonry, Concrete and Plasterboard Floor – Screed (sampled) to concrete.
2nd Floor 027 Gym	Yes	Ceiling - Concrete Settled Dust and Debris to Surfaces - Debris / Dust Deposits (various sampled) Wall – Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 028 Corridor and closet	Yes	Ceiling - Compressed fibreboard suspended panels Ceiling Panels - Modern Wall - Masonry, Concrete and Plasterboard Floor - Concrete and carpet Modern Electrics - No asbestos suspected – previous ACM panel removed.
2nd Floor 029 Empty Room	No	Ceiling - Concrete Pipework (bare) - No asbestos suspected Wall - Masonry, Concrete and Plasterboard Floor - Concrete
2nd Floor 030 Bedroom 01	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 031 Bedroom 02	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 032 Bedroom 03	Yes	Ceiling - Plasterboard Settled Dust to Surfaces - Debris / Dust Deposits (sampled) Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 033 Bedroom 04	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 034 Bedroom 05	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 035 Bedroom 06	Yes	Ceiling - Plasterboard Settled Dust and Debris to Surfaces - Debris / Dust Deposits (sampled) Wall - Masonry, Concrete and Plasterboard Floor - Timber
2nd Floor 036 Bedroom 07	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor – Timber

2nd Floor 037 Bedroom 12	Yes	Ceiling - Plasterboard Textured coating to wall - Textured Coating (sampled) Wall - Masonry, Concrete and Plasterboard Floor - Timber
2nd Floor 038 Bedroom 11	Yes	Ceiling - Plasterboard Textured coating to wall - Textured Coating (sampled) Wall - Masonry, Concrete and Plasterboard Floor - Timber
2nd Floor 039 Bedroom 10	Yes	Ceiling - Plasterboard Textured coating to wall - Textured Coating (sampled) Wall - Masonry, Concrete and Plasterboard Floor - Timber
2nd Floor 040 Bedroom 09	No	Ceiling - Plasterboard Wall - Masonry, Concrete and Plasterboard Floor - Timber and carpet
2nd Floor 041 Bedroom 08	Yes	Ceiling - Plasterboard Settled Dust and Debris to Surfaces - Debris / Dust Deposits (sampled) Wall - Plasterboard Floor - Timber and carpet
2nd Floor 042 Bathrooms	No	Bathroom Products - No asbestos suspected Ceiling – Plasterboard (Access to Roof Void) Partitions - No asbestos suspected Wall - Plasterboard Floor - Timber and modern coverings
2nd Floor 043 Corridor under construction	Yes	Ceiling - Compressed fibreboard suspended panels Floor – Concrete and screed (sampled) Wall - Plasterboard Settled Dust and Debris to Surfaces - Debris / Dust Deposits (sampled)
044 Roof Void	Yes	Roof – Concrete Tiles Timber Structure - no building paper. DPC - Bituminous Product (sampled) Redundant Fire blanket (sampled) Metal Water tanks and connecting pipework Pipe lagging (sampled – various) Settled Dust and Debris to Surfaces, visually consistent with lagging to pipework – (sampled various) Recently installed air ducting connecting through holes cut into ceiling tiles.

Section 6 - Material Risk Assessment

The material risk assessment assesses the condition of the various materials and their ability to release fibres. This assessment allows the PCBU to assess the potential for fibre release for each ACM and then go on to prioritise the need for action as part of the plan for managing asbestos. The material assessment has been carried out as part of this Refurbishment Survey.

The material assessment is based on a simple additive algorithm. The tool can be used to numerically assess the potential for fibre release. The tool is not designed to calculate absolute differences in potency or fibre release/hazard potential between ACMs. It does however enable ACMs to be ranked in a simple numerical order.

No condition assessment is normally necessary for refurbishment and demolition surveys but, where the period between survey and the event is significant, e.g., more than three months, then a material assessment should be conducted, and interim management arrangements put in place.

Material Assessment Algorithm

In the material assessment process, the main factors influencing fibre release are given a score which can then be added together to obtain a material assessment rating. The three main parameters which determine the amount of fibre released from an ACM when subject to disturbance are:

- Product type;
- Extent of damage or deterioration;
- Surface treatment.
- Asbestos type

Each parameter is scored between 1 and 3 except Product Type which is scored 1-3. A score of 1 is equivalent to a low potential for fibre release, 2 = medium and 3 = high. Two parameters can also be given a nil score (equivalent to a very low potential for fibre release). The value assigned to each of the four parameters is added together to give a total score of between 1 and 12.

Risk assessment and ongoing management

The material assessment identifies the ‘high-hazard’ materials, i.e. those materials which will most readily release airborne fibres if disturbed. It does not automatically follow that those materials assigned the highest score in the material assessment will be the priority for remedial action. Priority must be determined by carrying out a risk assessment with all other factors taken into account i.e. occupation of area, activities in the area, extent of material and any other factor that influences the risk of the material at the site.

Section 6.1 - Material Assessment Table

Material Assessment Descriptors:		
Sample Variable	Score	Examples of Scores
Product Type (or Debris from Product)	1	Asbestos reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints ordecorative finishes, asbestos cement etc)
	2	Asbestos insulating board, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt
	3	Thermal insulation (eg pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing
Extent of Damage / Deterioration	0	Good condition: no visible damage
	1	Low damage: a few scratches or surface marks; broken edges on board, tiles etc.
	2	Medium damage: significant breakage of materials or several small areas where material has been damagedrevealing loose asbestos fibres
	3	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Surface Treatment	0	Composite materials containing asbestos: reinforced plastics, resins, vinyl tiles
	1	Enclosed sprays and lagging, asbestos insulating board (with exposed face painted or encapsulated),asbestos cement sheets etc.
	2	Unsealed asbestos insulating board, or encapsulated lagging and sprays
	3	Unsealed laggings and sprays
Asbestos Type	1	Chrysotile only
	2	Amphibole asbestos excluding crocidolite
	3	Crocidolite or mixture of Crocidolite with any other asbestos type

Material Risk Assessment:	
Score:	Potential to Release Asbestos Fibres
10 or more	High
7 – 9	Medium
5 – 6	Low
4 or less	Very Low

Sample Code:	Description:
Sampled	Sample collected.
As-XXX	Cross referenced to another sample.
Strongly Presumed	Asbestos strongly presumed by visual inspection.
Presumed	Asbestos presumed as unable to investigate further.
No Access	Unable to gain access to collect sample or check area for reason stated.

Section 7 - Statement of Limitations

This report has been prepared in accordance with the agreement between NZPFU and More Environmental.

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 client who has commissioned this work 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 ourselves. While the survey has attempted to locate all of the ACMs present, and as the survey was a visual inspection and sampling process, only those ACMs that were physically accessible (or were within the scope of refurbishment or demolition works for intrusive surveys) could be located and identified. It is therefore possible that materials, which may be concealed within inaccessible areas/voids, may not have been located during the survey.

Such inaccessible areas that may fall outside the scope of an asbestos survey are listed below.

- Internal plant or machinery which were not accessible at the time of inspection
- Underground pipe work including conduits, storm water services and water services
- Any areas concealed within the building structure.
- Areas which require third party PCBU access, such as high level security rooms, electrical main switch rooms, sprinkler system rooms etc.

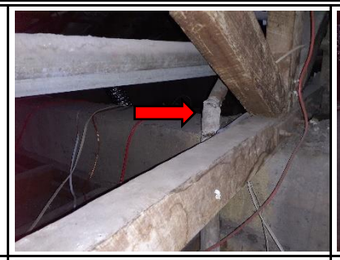
We advise that should dismantling, demolition or maintenance operations entail possible disturbance of materials in these locations, further investigation and sampling of specific areas should be conducted as part of an asbestos management and abatement program prior to any works proceeding.

Destructive surveying and sampling techniques were not employed to gain access to those areas listed above (unless within the scope of a refurbishment or demolition survey). Consequently, without substantial demolition of the building, it is not possible to guarantee that every source of asbestos has been detected.

All measurements presented in this document are approximate and should not be solely relied on as a definitive representation of conditions of the site.

Appendix A – Asbestos Register

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Material and Sample Details						Material Risk Assessment							Additional		
Location / Location Number – Room / Item Description	Material	Sample ID	Sample Status	Quantity	Ease of Access	Product Type	Material Condition	Surface Treatment	Fibre Type	Material Risk Score	Friable / Non Friable	Risk Rating	Comments and Recommendation	Photo (Location)	Photo (Detailed)
044 - Roof Void Insulation to Pipework next to Access Hatch	Insulation	S044	Sampled Amosite	4m	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
044 – Roof Void Insulation Debris next to Access Hatch	Insulation	S045	Sampled Amosite	Unable to Quantify	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
044 - Roof Void Insulation Debris next to Watertank	Debris / Dust Deposits	S046	Sampled Amosite	Unable to Quantify	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
044 - Roof Void Insulation to Pipework	Insulation	S049	Sampled Amosite	4m	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
044 - Roof Void Insulation Debris within void	Insulation	S050	Sampled Amosite	Unable to Quantify	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

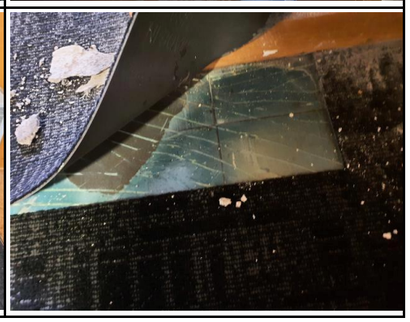
Material and Sample Details						Material Risk Assessment							Additional		
Location / Location Number – Room / Item Description	Material	Sample ID	Sample Status	Quantity	Ease of Access	Product Type	Material Condition	Surface Treatment	Fibre Type	Material Risk Score	Friable / Non Friable	Risk Rating	Comments and Recommendation	Photo (Location)	Photo (Detailed)
044 - Roof Void Insulation Residues to timbers	Insulation	S051	Sampled Amosite	Unable to Quantify	Medium	3	3	3	2	11	Friable	High	Restrict access to void from below. Remove material to allow contractor/maintenance access using an appropriately licenced asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
2nd Floor 025 - Male Toilet Insulation to Pipework	Insulation	As-X032	Cross Reference Chrysotile	3m sq	Medium	3	2	2	1	8	Friable	Medium	Fully seal or encapsulate damaged section above door or remove material using an appropriately licensed asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
2nd Floor 024 - Female Toilet Insulation to Pipework	Insulation	S032	Sampled Chrysotile	3m	Medium	3	2	1	1	7	Friable	Medium	Restrict access to shower. Fully seal or encapsulate damaged section above shower head or remove material using an appropriately licensed asbestos removal contractor. Review and update Asbestos Management Plan accordingly.		
1st Floor 002 - Laundry and Cupboard Door Panel	Cement Product	S001	Sampled Chrysotile	2m sq	Easy	1	1	0	1	3	Non-Friable	Very Low	Remove material using an appropriately licenced asbestos removal contractor if area is part of refurbishment scope. Label and manage product if to remain in situ. Review and update Asbestos Management Plan accordingly.		
1st Floor 002 - Laundry and Cupboard Boxing	Cement Product	P001	Presumed Chrysotile	<1m sq	Hard	1	2	0	1	4	Non-Friable	Very Low	Remove material using an appropriately licenced asbestos removal contractor if area is part of refurbishment scope. Label and manage product if to remain in situ. Review and update Asbestos Management Plan accordingly.		

Appendix B – Non-Asbestos Register

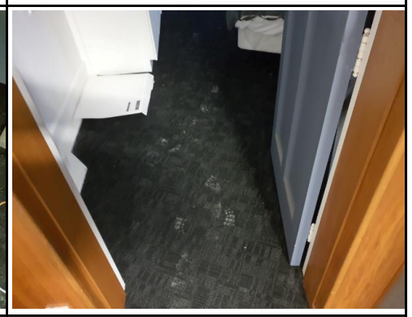
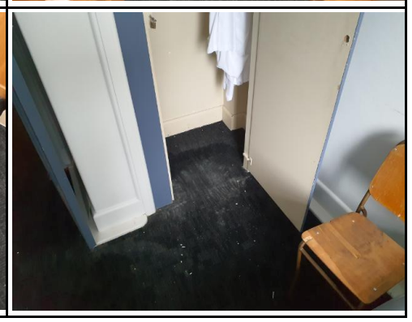
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 001 - Stairwell Textured coating to wall	Textured Coating	Sampled	S003	NAD	No asbestos was detected, no further action is required.		
1st Floor 001 - Stairwell Window Putty	Composite Product	Sampled	S023	NAD	No asbestos was detected, no further action is required.		
1st Floor 002 - Laundry and Cupboard Insulation ‘snot’ to pipe	Insulation	Sampled	S012	NAD	No asbestos was detected, no further action is required.		
1st Floor 002 - Laundry and Cupboard Textured coating wall debris	Textured Coating	Sampled	S011	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

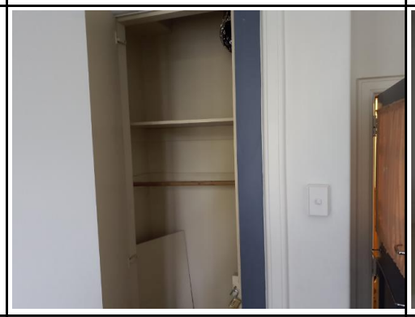
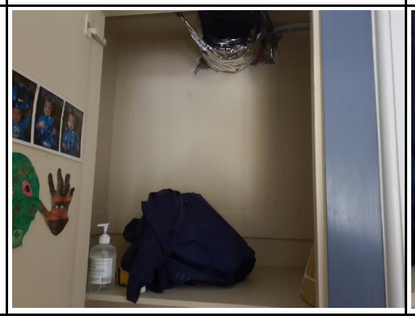
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 003 - Corridor and Hall Textured coating to ceiling	Textured Coating	Sampled	S004	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Textured coating to ceiling	Textured Coating	Sampled	S007	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Textured coating to wall	Textured Coating	Sampled	S002	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Floor Tiles	Vinyl Products	Sampled	S006	NAD	No asbestos was detected, no further action is required.		

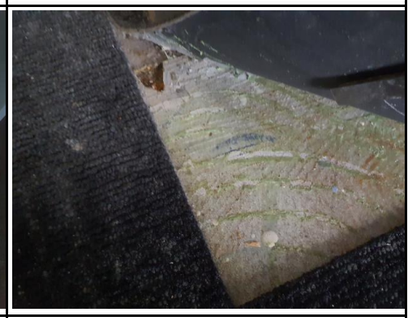
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 004 - Main Corridor Textured coating to ceiling	Textured Coating	Sampled	S008	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Concrete filling compound to ceiling voids	Composite Product	Sampled	S013	NAD	No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Dust to floor	Debris / Dust Deposits	Sampled	S024	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 004 - Main Corridor Dust to floor	Debris / Dust Deposits	Sampled	S025	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

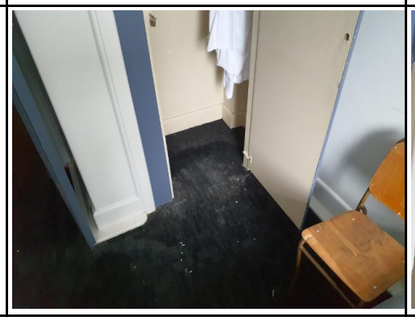
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 007 - Bedroom 3 Cupboard debris	Debris / Dust Deposits	Sampled	S019	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 008 - Bedroom 4 Cupboard debris	Debris / Dust Deposits	Sampled	S018	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 009 - Bedroom 5 Cupboard debris	Debris / Dust Deposits	Sampled	S017	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 010 - Bedroom 6 Debris in Cupboard	Debris / Dust Deposits	Sampled	S016	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

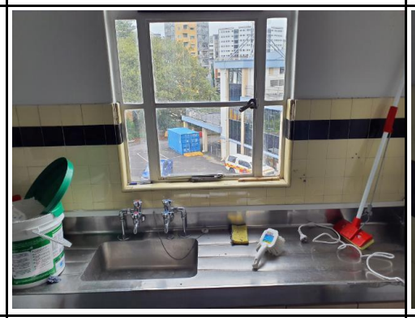
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 011 - Bedroom 7 Debris in Cupboard	Debris / Dust Deposits	Sampled	S015	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 012 - Bedroom 8 Debris in Cupboard	Debris / Dust Deposits	Sampled	S014	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 013 - Bedroom 9 Floor Coverings Composite	Vinyl Products	Sampled	S009	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 013 - Bedroom 9 Settled Dust to Surfaces	Debris / Dust Deposits	Sampled	S010	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

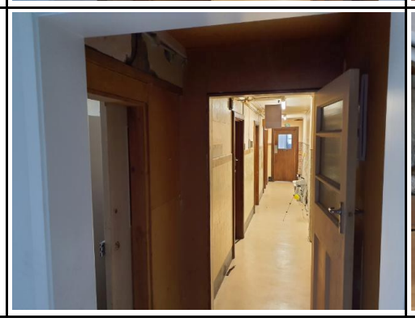
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
1st Floor 014 - Bedroom 10 Debris in Cupboard	Debris / Dust Deposits	Sampled	S020	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 015 - Bedroom 11 Debris in Cupboard	Debris / Dust Deposits	Sampled	S021	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 016 - Bedroom 12 Debris in Cupboard	Debris / Dust Deposits	Sampled	S022	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
1st Floor 017 - Bathrooms and showers Insulation	Insulation	Sampled	S005	NAD	No asbestos was detected, no further action is required.		

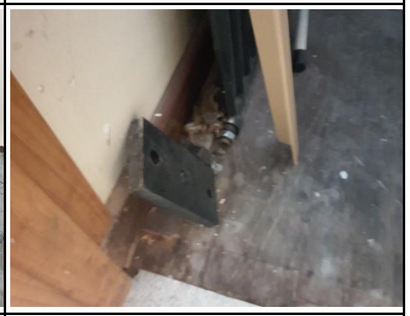
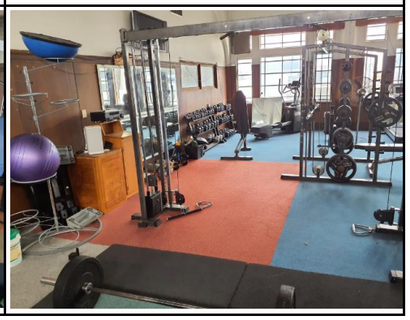
Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
2nd Floor 018 - Stairwell Textured coating to wall	Textured Coating	Cross Reference	As-X003	NAD	No asbestos was detected, no further action is required.		
2nd Floor 019 - Entrance foyer Textured coating to ceiling	Textured Coating	Cross Reference	As-X004	NAD	No asbestos was detected, no further action is required.		
2nd Floor 020 - Laundry Adhesive to underside of screed	Bituminous Product	Sampled	S026	NAD	No asbestos was detected, no further action is required.		
2nd Floor 021 - Store Debris	Debris / Dust Deposits	Sampled	S030	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
2nd Floor 021 - Store Textured coating to wall	Textured Coating	Sampled	S031	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 024 - Female Toilet Floor Vinyl	Vinyl Products	Sampled	S033	NAD	No asbestos was detected, no further action is required.		
2nd Floor 026 - Corridor Textured coating to wall	Textured Coating	Sampled	S027	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 026 - Corridor Textured coating to wall	Textured Coating	Sampled	S028	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
2nd Floor 026 - Corridor Textured coating to wall	Textured Coating	Sampled	S029	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 026 - Corridor under construction Settled Dust to Surfaces	Debris / Dust Deposits	Sampled	S034	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 027 - Gym Settled Dust and Debris to Surfaces	Debris / Dust Deposits	Sampled	S035	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 027 - Gym Settled Dust and Debris to Surfaces	Debris / Dust Deposits	Sampled	S036	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
2nd Floor 028 - Corridor and closet Ceiling Panels	Textured Coating	Cross Reference	As-X008	NAD	No asbestos was detected, no further action is required.		
2nd Floor 032 - Bedroom 03 Settled Dust to Surfaces	Debris / Dust Deposits	Sampled	S042	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 035 - Bedroom 06 Settled Dust and Debris to Surfaces	Debris / Dust Deposits	Sampled	S041	NAD	No asbestos was detected, no further action is required.		
2nd Floor 037 - Bedroom 12 Textured coating to wall	Textured Coating	Sampled	S038	NAD	Composite sample taken. No asbestos was detected, no further action is required.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
2nd Floor 038 - Bedroom 11 Textured coating to wall	Textured Coating	Sampled	S039	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 039 - Bedroom 10 Textured coating to wall	Textured Coating	Sampled	S040	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 041 - Bedroom 08 Settled Dust and Debris to Surfaces	Debris / Dust Deposits	Sampled	S043	NAD	Composite sample taken. No asbestos was detected, no further action is required.		
2nd Floor 043 - Corridor under construction Floor Screed	Composite Product	Sampled	S037	NAD	No asbestos was detected, no further action is required.		

Site Details:	Central Fire Station, 40 Pitt Street Auckland, 1010	Surveyor:	Alex Wood	Survey Date/s:	21/04/2023 – 24/04/2023

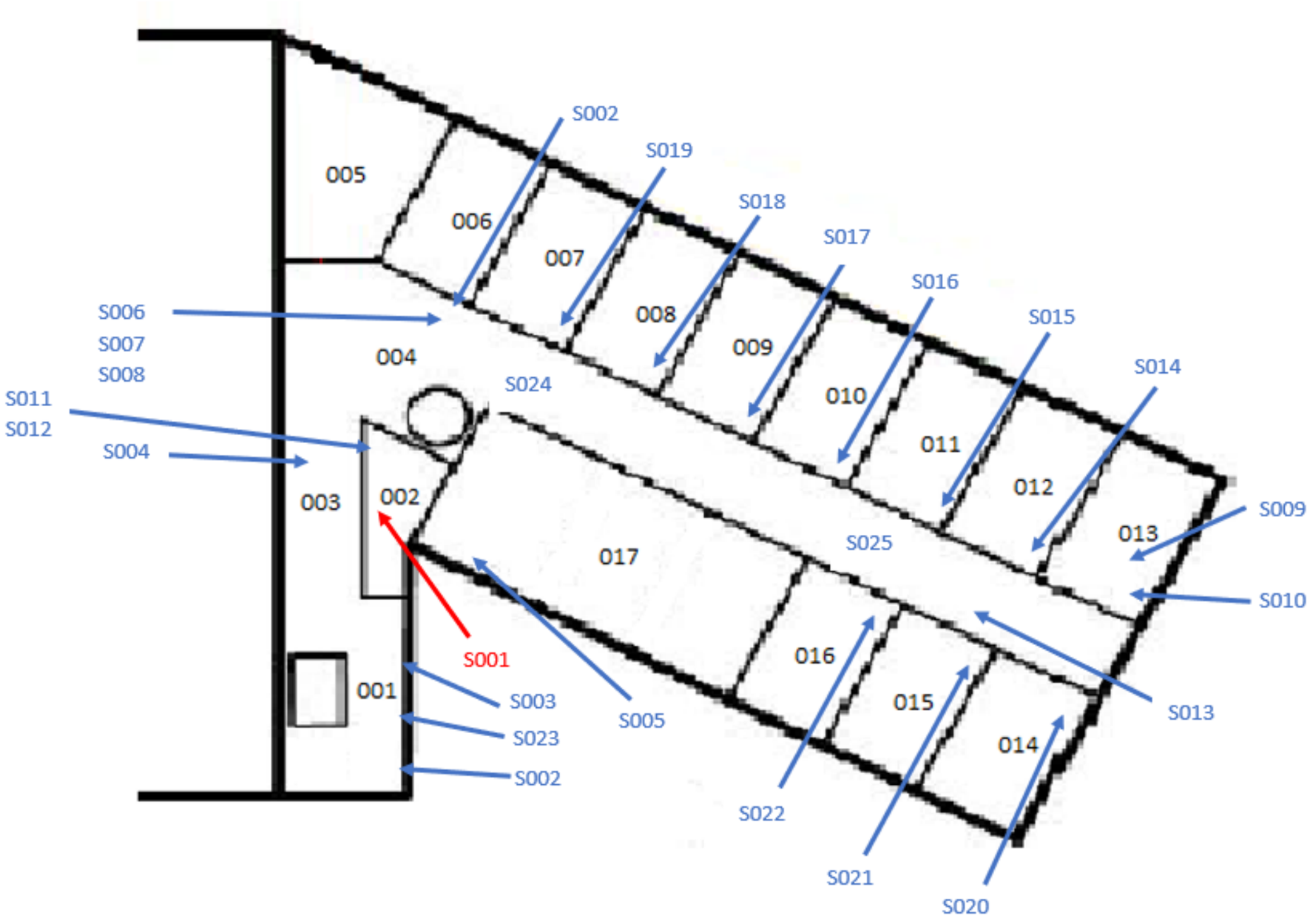
Location / Location Number – Room / Item Description	Material and Sample Details				Additional		
	Material	Sample Status	Sample ID	Result	Comment	Photo (Location)	Photo (Detailed)
044 - Roof Void DPC	Bituminous Product	Sampled	S047	NAD	No asbestos was detected, no further action is required.		
044 - Roof Void Fire blanket	Woven Product	Sampled	S048	NAD	No asbestos was detected, no further action is required.		

Appendix C – Site Plan

ADDRESS / AREA: Central Fire Station / Northern Wing Level 1 Accommodation

PROJECT NUMBER: M-00234.003

PLAN NUMBER: 1



* ASBESTOS DETECTED IN SAMPLE	AREA OF NO ACCESS / LIMITED ACCESS	*000* ROOM / LOCATION NUMBER	THIS PLAN MUST BE USED IN CONJUNCTION WITH THE REST OF THE REPORT	MORE ENVIRONMENTAL PROPERTY RISK CONSULTANTS
* NO ASBESTOS DETECTED IN SAMPLE	ESTIMATED EXTENT OF ASBESTOS			
* SAMPLE NUMBER	AREA OUTSIDE THE SCOPE OF WORK		NOT TO SCALE	

ADDRESS / AREA: Central Fire Station / Northern Wing Utility Corrider and Gym	PROJECT NUMBER: M-00234.003	PLAN NUMBER: 2

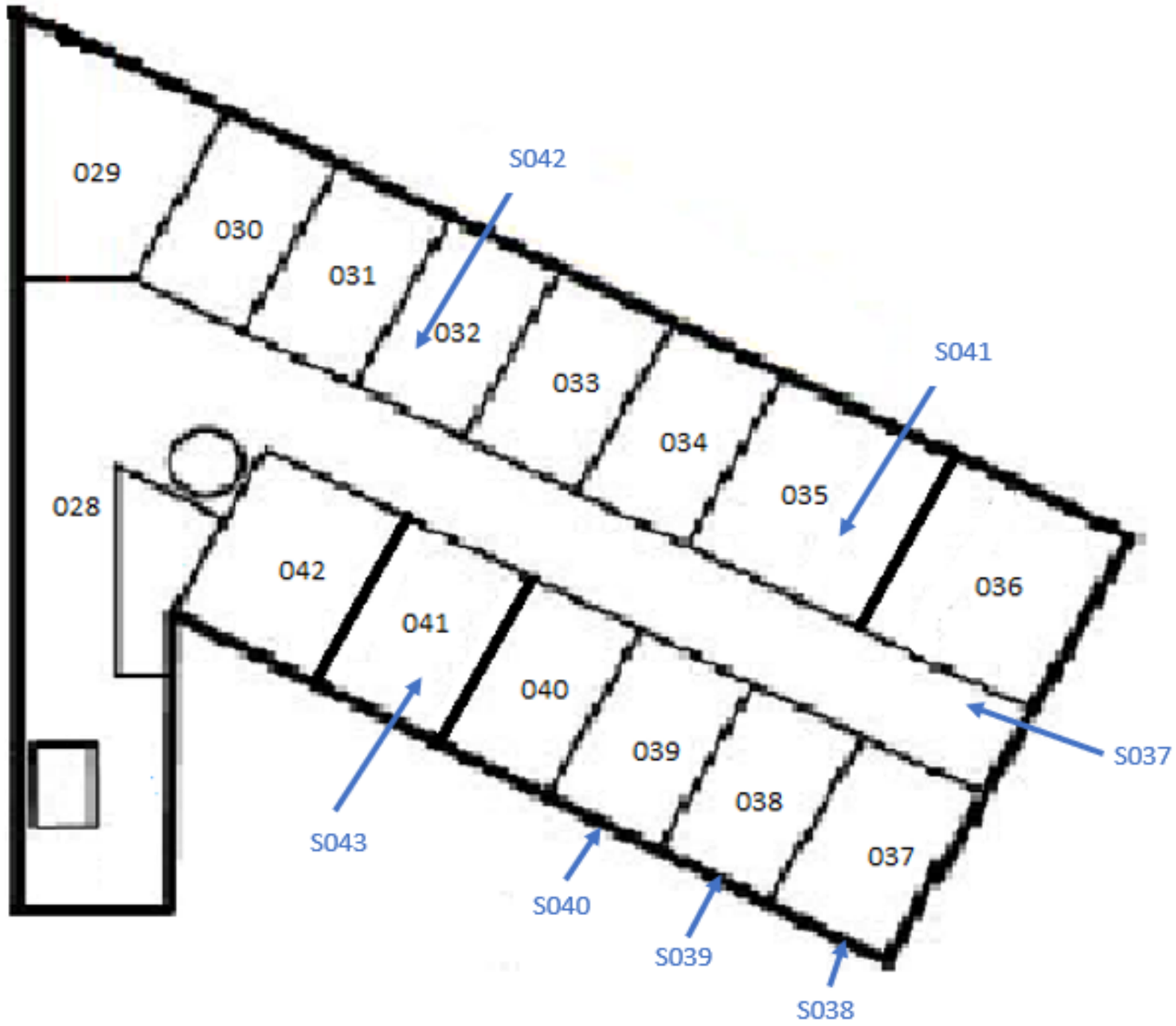
*	ASBESTOS DETECTED IN SAMPLE		AREA OF NO ACCESS / LIMITED ACCESS	*000*	ROOM / LOCATION NUMBER
*	NO ASBESTOS DETECTED IN SAMPLE		ESTIMATED EXTENT OF ASBESTOS		
*	SAMPLE NUMBER		AREA OUTSIDE THE SCOPE OF WORK		

THIS PLAN MUST BE USED IN CONJUNCTION WITH THE REST OF THE REPORT

NOT TO SCALE

MORE ENVIRONMENTAL
PROPERTY RISK CONSULTANTS

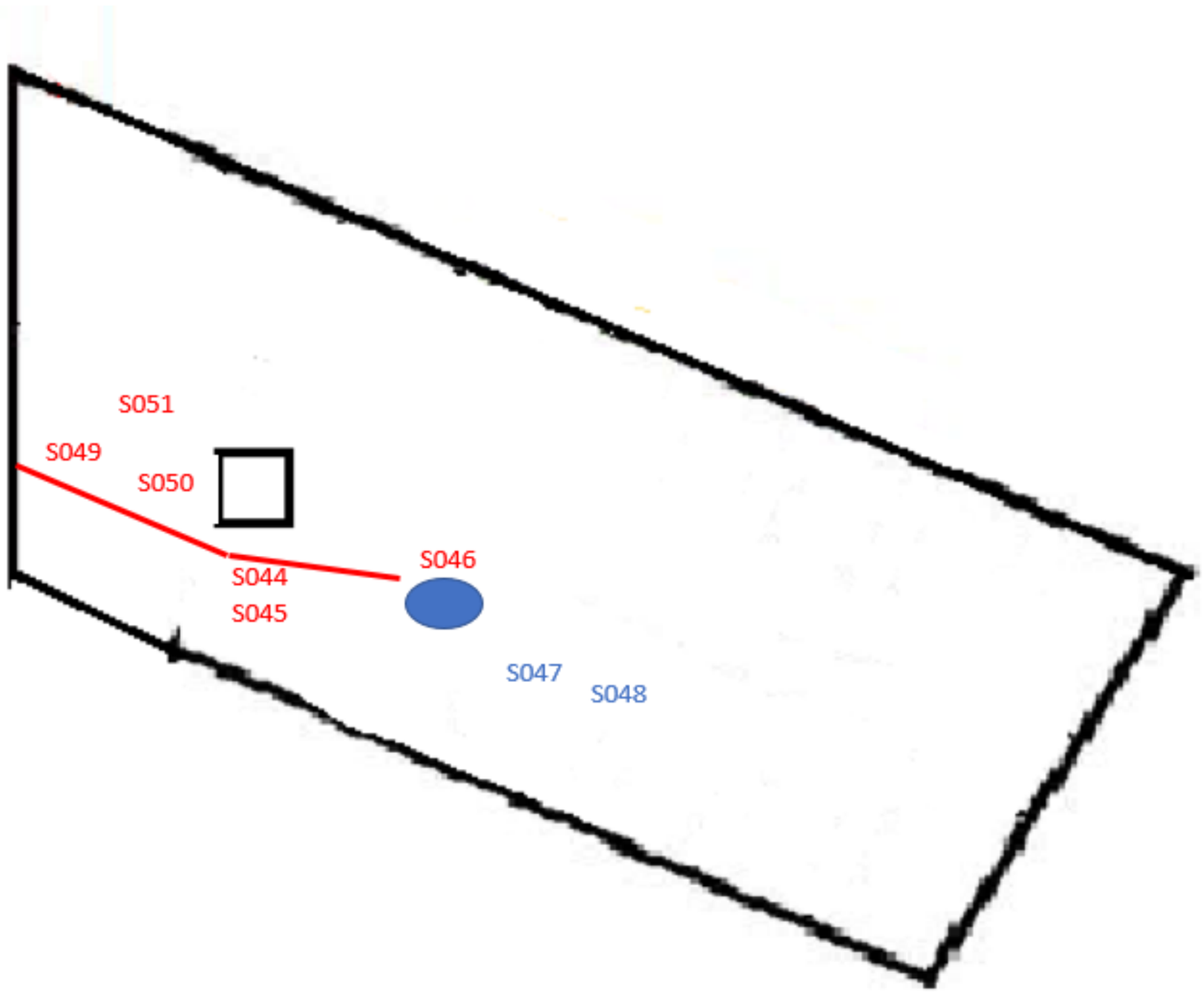
ADDRESS / AREA: Central Fire Station / Northern Wing Level 2 Accommodation	PROJECT NUMBER: M-00234.003	PLAN NUMBER: 3



* ASBESTOS DETECTED IN SAMPLE	AREA OF NO ACCESS / LIMITED ACCESS	000 ROOM / LOCATION NUMBER	THIS PLAN MUST BE USED IN CONJUNCTION WITH THE REST OF THE REPORT
* NO ASBESTOS DETECTED IN SAMPLE	ESTIMATED EXTENT OF ASBESTOS		NOT TO SCALE
* SAMPLE NUMBER	AREA OUTSIDE THE SCOPE OF WORK		

MORE ENVIRONMENTAL
PROPERTY RISK CONSULTANTS

ADDRESS / AREA: Central Fire Station / Northern Wing Roof Voids	PROJECT NUMBER: M-00234.003	PLAN NUMBER: 4



* ASBESTOS DETECTED IN SAMPLE	AREA OF NO ACCESS / LIMITED ACCESS	000 ROOM / LOCATION NUMBER	THIS PLAN MUST BE USED IN CONJUNCTION WITH THE REST OF THE REPORT
* NO ASBESTOS DETECTED IN SAMPLE	ESTIMATED EXTENT OF ASBESTOS		NOT TO SCALE
* SAMPLE NUMBER	AREA OUTSIDE THE SCOPE OF WORK		

MORE ENVIRONMENTAL
PROPERTY RISK CONSULTANTS

Appendix D – Laboratory Certificate

PO Box 11156
Ellerslie, Auckland, 1542
New Zealand

CERTIFICATE OF ANALYSIS

Asbestos Identification

Certificate No: 23-2794

Client:	More Environmental Ltd	**Dates Sampled:**	20/04/2023 to 24/04/2023
Client Contact:	Alex Wood	**Date Received:**	24/04/2023
Telephone:		**Date Analysed:**	24/04/2023
Email:	alex@more-environmental.co.nz	**Date Issued:**	24/04/2023
Address:	24 Sylvia Park Road, Mount Wellington Auckland	**Order No.:**	MOO235.003
Site:	40 Pitt Street, Central Fire Station	**Sampled By:**	As Received

Test Method:
Qualitative identification of asbestos types in bulk samples at PROLABS Laboratory by polarised light microscopy, including dispersion staining techniques using PROLABS in-house method ID-1, AS4964 (2004).

Lab ID	Sample ID	Sample Details	Sample Type	Size / Weight cm/g	Fibres Identified	Asbestos Present
001	S001	Cement door backing	Fibre Cement	1 x 2	CHR	Yes
002	S002	Textured coating	Textured Coating	2 x 2	NAD, ORF	No
003	S003	Stairwell textured coating	Textured Coating	0.5 x 0.5	NAD, ORF	No
004	S004	Corridor textured coating	Textured Coating	0.5 x 0.5	NAD, ORF	No
005	S005	Insulation behind W.C.	Insulation	3 x 1	NAD, ORF	No
006	S006	Floor tile beneath carpet	Vinyl Sheet	2 x 2	NAD, ORF	No
007	S007	Secondary ceiling, ceiling tile coating	Decorative Coating	2 x 2	NAD, ORF	No
008	S008	Main ceiling, ceiling tile coating	Decorative Coating	0.5 x 0.5	NAD, ORF	No
009	S009	Composite floor vinyl from bedroom	Vinyl Sheet	2 x 2	NAD, ORF	No
010	S010	Swab beneath penetration in cupboad	Dust / Debris	N/A	NAD, ORF	No
011	S011	Debris to cupboard	Debris	3 x 3	NAD, ORF	No
012	S012	Insulation debris to pipe	Debris	2 x 2	NAD, ORF	No
013	S013	Concrete filling compound	Debris	1 x 1	NAD, ORF	No
014	S014	Cupboard d & d swab	Dust / Debris	N/A	NAD, ORF	No
015	S015	Cupboard dust and debris	Debris	2 x 2	NAD, ORF	No
016	S016	Cupboard dust and debris	Dust / Debris	N/A	NAD, ORF	No
017	S017	Bedroom 05 cupboard swab	Dust / Debris	N/A	NAD, ORF	No
018	S018	Bedroom 04 cupboard swab	Dust / Debris	N/A	NAD, ORF	No
019	S019	Bedroom 03 cupboard swab	Debris	3 x 2	NAD, ORF	No
020	S020	Bedroom 10 dust and debris	Debris	3 x 2	NAD, ORF	No
021	S021	Bedroom 11 dust and debris	Debris	2 x 2	NAD, ORF	No
022	S022	Bedroom 12 dust and debris	Debris	2 x 2	NAD, ORF	No
023	S023	Window putty	Putty	0.5 x 0.5	NAD, ORF	No
024	S024	Debris composite	Debris	3 x 2	NAD, ORF	No
025	S025	Debris composite	Debris	2 x 2	NAD, ORF, SMF	No
026	S026	Adhesive behind ceramic tiles	Mortar	2 x 2	NAD, ORF	No

PROLABS

PO Box 11156
Ellerslie, Auckland, 1542
New Zealand

Lab ID	Sample ID	Sample Details	Sample Type	Size / Weight cm/g	Fibres Identified	Asbestos Present
027	S027	Textured coating modern	Textured Coating	1 x 1	NAD, ORF	No
028	S028	Textured coating	Textured Coating	1 x 1	NAD, ORF	No
029	S029	Textured coating	Textured Coating	12 x 12	NAD, ORF	No
030	S030	Insulation debris redunant radiator	Debris	1 x 1	NAD, ORF	No
031	S031	Textured coating	Textured Coating	2 x 2	NAD, ORF	No
032	S032	Pipe insulation	Insulation	1 x 1	CHR, ORF	Yes
033	S033	Floor vinyl bathroom	Vinyl Sheet	2 x 2	NAD, ORF	No
034	S034	Swab to floor	Dust / Debris	N/A	NAD, ORF, SMF	No
035	S035	Swab gym composite	Dust / Debris	N/A	NAD, ORF, SMF	No
036	S036	Swab gym composite	Dust / Debris	N/A	NAD, ORF	No
037	S037	Screed to floor	Floor Levelling Compound	2 x 2	NAD, ORF	No
038	S038	TC to wall	Textured Coating	4 x 4	NAD, ORF	No
039	S039	TC to wall	Textured Coating	3 x 3	NAD, ORF	No
040	S040	TC to wall	Textured Coating	3 x 3	NAD, ORF	No
041	S041	Composite	Debris	3 x 2	NAD, ORF	No
042	S042	Composite dust & debris	Dust / Debris	N/A	NAD, ORF, SMF	No
043	S043	Composite dust & debris	Dust / Debris	N/A	NAD, ORF, SMF	No
044	S044	Insulation to P.W. at hatch	Insulation	1 x 1	AMO, ORF	Yes
045	S045	Insulation debris at hatch	Insulation	2 x 2	AMO, ORF	Yes
046	S046	Insulation debris to pipe at water tank	Insulation	1 x 1	AMO, ORF	Yes
047	S047	DPC J packer to timber	Bitumastic Membrane	3 x 3	NAD, ORF	No
048	S048	Fire blanket	Textile	4 x 1	NAD, ORF	No
049	S049	Insulation to P.W. S.W. section of roof.	Insulation	1 x 1	AMO, ORF	Yes
050	S050	Insulation debris to floor	Insulation	1 x 1	AMO, ORF	Yes
051	S051	Residue to timber	Insulation	2 x 2	AMO, ORF	Yes

Fibre Identification Legend

CHR	Chrysotile (white asbestos)	ORF	Organic Fibre
AMO	Amosite (Brown/Grey asbestos)	SMF	Synthetic Mineral Fibre
CRO	Crocidolite (Blue asbestos)	NAD	No Asbestos Detected
UMF	Unknown Mineral Fibre	hpd	Handpicked

All samples submitted by clients for laboratory testing are retained by the laboratory for a period of 3 months.

Approved Identifier

Name: Philip Torley

Approved Signatory

Name: Philip Torley

End of Repot

This report was prepared solely for the purpose set out herein and it is not intended that any other person use or rely on it.

Whilst all due care is taken any information within this report that has relied on information from previous assessments made by others including visual inspections, laboratory testing and overall methodologies cannot be guaranteed for its accuracy or competency.

This report is not intended to be used for the purposes of tendering, programming of works, dismantling or demolition works unless used in conjunction with a specification detailing the extent of the works. To ensure its contextual integrity, the report must be read in its entirety and should not be copied, distributed or referred to in part only. Measurements and calculations by volume of any material should not be used for contractual terms as the measurements represented are approximate.