ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

8 July 2022

Transport for NSW
680 George Street
Sydney NSW 2000

Attention: **Demos Avramidis**
Development Manager

Environmental cleaning summary letter at 505 Wilson Street, Eveleigh, NSW.

Please find enclosed a copy of our report entitled as above. Thank you for the opportunity to undertake this work

1 Introduction

Environmental Earth Sciences was commissioned by Transport for NSW (TfNSW) to conduct cleaning and hygiene works on their property at 505 Wilson St, Eveleigh, NSW formerly identified as the Chief Mechanical Engineer's building on part of Lot 5 in DP 1175706 (the 'Site'). hygiene cleaning works are required to reduce the risk associated with entering the building to facilitate inspections and site meetings before renovation of the site as a part of an urban renewal project.

2 Background

A hazardous materials survey was undertaken on the site by A. D. Envirotech Australia Pty Ltd (ADE) in 2012 which was undated in 2015:

A. D. Envirotech Australia Pty Ltd (ADE) 2015 – *Hazardous Materials Survey Report – 505 Wilson Street, North Eveleigh, NSW*. (ref: 8829-CME / HMS1, date 17 March 2015)

The scope of works and key findings of the report are summarised below:

- Scope of works
    - Walkthrough inspection;
    - Identification of materials containing asbestos, lead (in paint), lead (in dust), synthetic mineral fibre in insulation materials and polychlorinated biphenyls in light fittings;
    - Sampling of fixed building fabric where possible;

  - Laboratory analysis of selected samples where the inspector suspected the presence of hazardous materials;
  - Preparation of a report/risk assessment outlining the site data and recommendations.

- Conclusions of recommendations:
  - Bonded asbestos containing materials were noted onsite.
  - Presumed synthetic mineral fibre (SMF) were identified onsite.
  - Polychlorinated Biphenyls (PCBs) were not positively identified onsite but are presumed within light fittings.
  - Lead containing paints were identified throughout the building interior and exterior. The paint was in fair to poor condition with flaking noted in serval locations. Lead paint flakes has built up on the floors. It is recommended that access be restricted to the most affected areas and flaked paint be removed or encapsulated as soon as practicable.
  - Lead containing dusts was identified within the building interior. Lead dust needs to be remediated and appropriately cleared.

3 Objectives

Prior to opening the building for future inspections and site meetings, TfNSW requires the following work items to be completed to make the property safe:

- Clean up / vacuum all flaking paint and other debris / dust from floor and wall surfaces to a height of 1.5 m.
- Certification of cleaning works through provision of a clearance certificate for the cleaned areas.

4 Legislation and codes of practice

4.1 Legislation

Work was undertaken with reference to the following legislation:

- Assessment of Site Contamination National Environment Protection Measure (ASC NEPM) 2013, Schedule B (1): Guidelines on the Investigation Levels for Soil and Groundwater.

- National Occupational Health and Safety Commission (2005) – *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition (NOHSAL3003 (2005)).
- Work Health and Safety Act 2011 and Work Health and Safety Regulation 2017.

4.2 Codes of practice

Works were undertaken with reference to the following codes of practice:

- SafeWork Australia (2019a) – *How to Manage and Control Asbestos in the Workplace.*
- SafeWork Australia (2019b) – *How to Safely Remove Asbestos Code of Practice.*
- WorkCover NSW (2014) – *Managing Asbestos in or on Soil.*
- AS4361.1 (1995) Guide to Lead Paint Management. Part 1: Industrial Applications.
- AS4361.2 (1998) Guide to Lead Paint Management. Part 2: Residential and Commercial Buildings.

4.3 Lead dust codes practice

- *National code of practice for the control and safe use of inorganic lead at work* (HOHSC:2015(1994))
- *Adopted National exposure standards for atmospheric contaminants in the occupational environment (NOHSC:1003(1995)*

5 Lead paint removal and clearance works

5.1 Scope of works

- Provide appropriate safety information, licences and insurances as well as SafeWork NSW notification prior to initiation of works.
- Conduct asbestos & lead dust removal to floor surfaces and depositional surfaces up to a height of 1.5 m from the floor over approximately 680 m^2 of the structure internal floor traffic areas.
    - Works to include vacuuming of floor surfaces as well as wall surfaces to indicated height. Vacuuming of walls does not include specific removal of flaking paint only incidental removal via vacuuming process.
    - Utilising HEPA Vacuums and appropriate personnel and equipment decontamination.
    - Includes disposal at Licensed EPA receiving facility and provision of tipping and tracking receipts.

    - Does not include removal of flaking wall paint.

- Conduct post-cleaning clearance of cleaned surfaces to produce certification of clean-up works. Works will include.

    - Collection of dust samples to verify whether asbestos of lead dusts are present within the cleaned areas.

    - Photographic documentation of post-cleaning condition.

    - Issue a clearance certificate for the cleaned areas.

5.2 Cleaning contractor

RARE Environmental Pty Ltd (RARE) was engaged to undertake the environmental cleaning work onsite.

5.3 Initial clearance works

- Works to include vacuuming of floor surfaces as well as wall surfaces to indicated height. Vacuuming of walls does not include specific removal of flaking paint only incidental removal via vacuuming process.

- Utilising HEPA Vacuums and appropriate personnel and equipment decontamination.

- Includes disposal at Licensed EPA receiving facility and provision of tipping and tracking receipts.

- Does not include removal of flaking wall paint.

6 Results

6.1 Air monitoring

Air monitoring was conducted by Claude Platell of Environmental Earth Sciences between 3 to the 5 May 2022.

The location of each air sampling pump and the number of pumps required was based on the position of removal zone and relative location of sensitive receptors. Pump flow rates were calibrated using a rotameter to ensure a sufficient volume of air was sampled over the time period during removal / clearance works. The flow rates of the pumps used during each event was set to 2.0L per minute achieving the sample volume of 400 L per NOHSAL3003 (2005). The airborne fibre monitoring was completed in accordance with the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres 2nd Edition* [NOHSC: 3003(2005)] (National Occupational Health and Safety Commission 2005).

Air monitoring cowls were analysed by ASET within 24 hours of monitoring. Refer to **Attachment A** for air monitoring reports which are summarised in **Table 1** for lead and **Table**

2 for asbestos. Refer to **Figure 1** for a map of sampling locations labelled as per pump IDs in **Table 1** below.

Table 1: Summary of lead dust air monitoring reports

Date	Pump ID per Figure 1	Laboratory Reference / Sample No	Results (mg)	Volume of air sampled	Result (mg/m^3)
04 May 2022	Front door	ASET100923/104103/1-A304	<0.001	1161	<0.001
	Back gate	ASET100923/104103/2-A834	0.013	1157	0.01

Air monitoring results reported during the remediation works did not exceed outlined criteria of 0.15 mg/m^3 set out in *Adopted National exposure standards for atmospheric contaminants in the occupational environment (NOHSC:1003(1995).* Therefore, works conducted did not present an actual risk to onsite construction workers / contractors and offsite neighbouring residents and general public.

Table 2: Summary of asbestos dust air monitoring reports

Date	Pump ID per Figure 1	Laboratory Reference / Sample No	Fibres / Field	Results (Fibres / mL)
03 May 2022	Back fence, close to railway	ASET100894/104074/1-A711	3.0/100	<0.01
	Front gate, along Wilson street	ASET100894/104074/2-A943	2.0/100	<0.01
	Front door	ASET100894/104074/3-AB78	3.0/100	<0.01
	Back gate	ASET100894/104074/4-AS95	5.0/100	<0.01
	Filed blank	ASET100894/104074/5-AJ15	0.0/100	---
04 May 2022	Back fence, close to railway	ASET100924/104104/1-A09	3.5/100	<0.01
	Front gate, along Wilson street	ASET100924/104104/2-AA27	2.0/100	<0.01
	Filed blank	ASET100924/104104/3-AF47	0.0/100	---
05 May 2022	Back fence, close to railway	ASET101017/104197/1-AJ10	1.0/100	<0.01
	Front gate, along Wilson street	ASET101017/104197/2-A437	1.0/100	<0.01
	Front door	ASET101018/104198/1-AA43	3.0/100	<0.01
	Back gate	ASET101018/104198/2-AU97	2.5/100	<0.01
	Filed blank	ASET101017/104197/3-A390	0.0/100	---

Air monitoring results reported < 0.01 fibres/ml during the excavations therefore works conducted did not present an actual risk to onsite construction workers / contractors and offsite neighbouring residents and general public.

6.2 Swabs

Surface sampling was conducted by Claude Platell of Environmental Earth Sciences following cleaning works undertaken for internal surfaces within the upstairs and downstairs main hallway and high contact areas to verify that cleaning procedures has been effective. Samples were collected using clear cotton based swabs to provide an indication of whether lead were present on the surface sampled. A total of 22 swab samples were collected, from selected wall, floor and contact surfaces within the potentially impacted area, refer **Appendix C**.

Swab samples were analysed by ALS. Refer to **Appendix A** for sampling documentation which is summarised in **Table 3** below.

Table 3: Summary of surface swabs sample results

Sampling Date	Sample ID	Laboratory Reference ES2216027 / Sample No	Result (ug/swab)[3]
5 May 2022	US_S3	Wall and skirting boards / upstairs	189[1]
	US_S5	Cabinet surface (roof facing) / upstairs	73.4
	US_F6	Plywood floor covering / upstairs	269[2]
	US_F7	Plywood floor covering / upstairs	378[2]
	STR_S1	Handrail / staircase	374[1]
	STR_S2	Handrail / staircase	92.1[1]
	STR_S3	Handrail / staircase	72.1[1]
	DS_A1_F1	Floorboards / downstairs	734
	DS_A2_S2	Doorknob / downstairs	775
	DS_A3_S3	Power plug / downstairs	156
	DS_A5_S5	Doorframe / downstairs	65.1[1]
	DS_A7_S7	Doorknob / downstairs	58
	DS_A10_S10	Doorknob / downstairs	244
	DS_A11_S11	Ledge (roof facing) / downstairs	130
	DS_A14_S14	Cabinet surface (roof facing) / downstairs	1260
	DS_H1_F1	Floorboards / downstairs	783
	DS_H1_S2	Keypad for alarm / downstairs	240
	DS_H3_F5	Floorboards / downstairs	2050[2]
	DS_H3_F6	Floorboards / downstairs	860
	DS_H3_S7	Interior windowsill / downstairs	1470[1]
	DS_H4_F10	Plywood floor covering / downstairs	347
	DS_H5_S12	Switch board (roof facing) / downstairs	541

Note

1. Degraded lead paint contained within swab area
2. Ingrained lead paints contained within moist plywood floor coverings
3. Swab results have been covered to mg/kg to compare with relevant guidelines. Results are indicative to guide decision making

Reported lead results are below the adopted threshold of 1500 mg/kg under HIL D – commercial / industrial exposure scenario (NEPM 2013) with the exception of DS_H3_F5 (2,050 mg/kg).

6.3 Site inspection

Upon completion of lead dust removal works, the building was inspected on 5 May 2022. The floor and the walls were inspected by an independent competent person (Claude Platell) from Environmental Earth Sciences.

Visible paint flakes and accumulations of dust were not identified on the floor or walls following vacuuming and cleaning of impacted areas. **Refer to Attachment C**.

6.4 Post site condition

Since 5 May 2022, subsequent visits to the building were made by Environmental Earth Sciences to undertake additional works (i.e. lighting and safety signage). During these visits a significant volume of paint flakes were noted to have fallen from the dilapidated wall and ceiling coverings, resulting in fresh paint flake deposition on the floors and other surfaces throughout the building. The poor condition of the paint, leaking roof panels and the limited scope of remediation has allowed for this accumulation to continue. **Refer to Attachment D**.

7 Recommendations

Environmental Earth Sciences suggests the following actions should be undertaken onsite to mitigate the risk of exposure to lead based paint and dust.

- Lead paint and dust remains within the building, this risk can only be fully mitigated through the removal of all wall and ceiling coverings which contain lead paint, removal of all paint from door and window frames or sealing with new paint and stripping and revarnishing of timber floor or covering with new floor finishes.
- Due to the poor condition of the building and presence of flaking paint on walls and ceilings has led to the accumulation of lead paint over time post cleaning.
- The risk of respirable asbestos fibres within the buildings has been deemed low.
- No renovation works should be undertaken until all lead-based paint has been stripped and removed from the building.
- Visiting the building should be avoid if entry to the site should be required full PPE including boot coveralls, P2 mask are required and touching any surfaces during their occupancy should be avoided.

8 Clearance Limitations

This report has been prepared by Environmental Earth Sciences NSW ACN 109 404 006 in response to and subject to the following limitations:

1. The specific instructions received from Transport for NSW;

2. The specific scope of works set out in PO122033_V2 issued by Environmental Earth Sciences for and on behalf of Transport for NSW, is included in Section 3 (Scope of Work) of this report;

3. May not be relied upon by any third party not named in this report for any purpose except with the prior written consent of Environmental Earth Sciences NSW (which consent may or may not be given at the discretion of Environmental Earth Sciences NSW);

4. This report comprises the formal report, documentation sections, tables, figures and appendices as referred to in the index to this report and must not be released to any third party or copied in part without all the material included in this report for any reason;

5. The report only relates to the site referred to in the scope of works being located at 505 Wilson Street, Eveleigh (“the site”);

6. The report relates to the site as at the date of the report as conditions may change thereafter due to natural processes and/or site activities;

7. No warranty or guarantee is made in regard to any other use than as specified in the scope of works and only applies to the depth tested and reported in this report;

8. Fill, soil, groundwater and rock to the depth tested on the site may be fit for the use specified in this report. Unless it is expressly stated in this report, the fill, soil and/or rock may not be suitable for classification as clean fill, excavated natural material (ENM) or virgin excavated natural material (VENM) if deposited off site;

9. This report is not a geotechnical or planning report suitable for planning or zoning purposes; and

10. Our General Limitations set out at the back of the body of this report.

Should you have any queries, please do not hesitate to contact us on (02) 9922 1777.

For and on behalf of
Environmental Earth Sciences NSW

Project Manager
Claude Platell
Environmental Scientist
Figures
Appendix A: Laboratory certificate of analysis
Appendix B: Floor plan
Appendix C: Photo plate – sampling locations
Appendix D: Photo plate – clearance photos

Project Director / Internal Reviewer
James Barwood
Principle Environmental Scientist

122040L01V01

9 References

A. D. Envirotech Australia Pty Ltd (ADE) 2015 – *Hazardous Materials Survey Report – 505 Wilson Street, North Eveleigh, NSW*. (ref: 8829-CME / HMS1, date 17 March 2015)

Assessment of Site Contamination National Environment Protection Measure (ASC NEPM) 2013, Schedule B (1): Guidelines on the Investigation Levels for Soil and Groundwater.

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SafeWork Australia (2019a) – How to Manage and Control Asbestos in the Workplace.

SafeWork Australia (2019b) – How to Safely Remove Asbestos Code of Practice.

WorkCover NSW (2014) – Managing Asbestos in or on Soil.

AS4361.1 (1995) Guide to Lead Paint Management. Part 1: Industrial Applications.

AS4361.2 (1998) Guide to Lead Paint Management. Part 2: Residential and Commercial Buildings.

National code of practice for the control and safe use of inorganic lead at work (HOHSC:2015(1994))

Adopted National exposure standards for atmospheric contaminants in the occupational environment (NOHSC:1003(1995)

ENVIRONMENTAL EARTH SCIENCES GENERAL LIMITATIONS

Scope of services
The work presented in this report is Environmental Earth Sciences response to the specific scope of works requested by, planned with and approved by the client. It cannot be relied on by any other third party for any purpose except with our prior written consent. Client may distribute this report to other parties and in doing so warrants that the report is suitable for the purpose it was intended for. However, any party wishing to rely on this report should contact us to determine the suitability of this report for their specific purpose.

Data should not be separated from the report
A report is provided inclusive of all documentation sections, limitations, tables, figures and appendices and should not be provided or copied in part without all supporting documentation for any reason, because misinterpretation may occur.

Subsurface conditions change
Understanding an environmental study will reduce exposure to the risk of the presence of contaminated soil and or groundwater. However, contaminants may be present in areas that were not investigated, or may migrate to other areas. Analysis cannot cover every type of contaminant that could possibly be present. When combined with field observations, field measurements and professional judgement, this approach increases the probability of identifying contaminated soil and or groundwater. Under no circumstances can it be considered that these findings represent the actual condition of the site at all points.

Environmental studies identify actual sub-surface conditions only at those points where samples are taken, when they are taken. Actual conditions between sampling locations differ from those inferred because no professional, no matter how qualified, and no sub-surface exploration program, no matter how comprehensive, can reveal what is hidden below the ground surface. The actual interface between materials may be far more gradual or abrupt than an assessment indicates. Actual conditions in areas not sampled may differ from that predicted. Nothing can be done to prevent the unanticipated. However, steps can be taken to help minimize the impact. For this reason, site owners should retain our services.

Problems with interpretation by others
Advice and interpretation is provided on the basis that subsequent work will be undertaken by Environmental Earth Sciences NSW. This will identify variances, maintain consistency in how data is interpreted, conduct additional tests that may be necessary and recommend solutions to problems encountered on site. Other parties may misinterpret our work and we cannot be responsible for how the information in this report is used. If further data is collected or comes to light we reserve the right to alter their conclusions.

Obtain regulatory approval
The investigation and remediation of contaminated sites is a field in which legislation and interpretation of legislation is changing rapidly. Our interpretation of the investigation findings should not be taken to be that of any other party. When approval from a statutory authority is required for a project, that approval should be directly sought by the client.

Limit of liability
This study has been carried out to a particular scope of works at a specified site and should not be used for any other purpose. This report is provided on the condition that Environmental Earth Sciences NSW disclaims all liability to any person or entity other than the client in respect of anything done or omitted to be done and of the consequence of anything done or omitted to be done by any such person in reliance, whether in whole or in part, on the contents of this report. Furthermore, Environmental Earth Sciences NSW disclaims all liability in respect of anything done or omitted to be done and of the consequence of anything done or omitted to be done by the client, or any such person in reliance, whether in whole or any part of the contents of this report of all matters not stated in the brief outlined in Environmental Earth Sciences NSW's proposal number and according to Environmental Earth Sciences general terms and conditions and special terms and conditions for contaminated sites.

To the maximum extent permitted by law, we exclude all liability of whatever nature, whether in contract, tort or otherwise, for the acts, omissions or default, whether negligent or otherwise for any loss or damage whatsoever that may arise in any way in connection with the supply of services. Under circumstances where liability cannot be excluded, such liability is limited to the value of the purchased service.

ENVIRONMENTAL EARTH SCIENCES
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FIGURES

Ref. NSW Spatial Information Exchange SIX. website image. 20122

Scale (approximate) 0 10 20 30metres

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

Client: Transport for NSW

Title: Site Locality Plan

Location: 505 Wilson Street. Eveleigh, NSW

Job No. 122040 | Date: 26 June 2022

Drawn by: TRJ | Proj. Man. CP | Scale: As shown

Figure 1

LEGEND:

Air Monitoring Locations

A - Back fence, close to railway

B - Front gate, along Wilson Street

C - Front door

D - Back gate

Ref. NSW Spatial Information Exchange SIX. website image. 20122

0 10 20metres

Scale (approximate)

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

Client:	Transport for NSW
Title:	Monitoring Locations
Location:	505 Wilson Street. Eveleigh, NSW
Job No. 122040	Date: 26 June 2022
Drawn by: TRJ	Proj. Man. CP
Scale: As shown	Figure 2

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

APPENDIX A: LABORATORY CERTIFICATE OF ANALYSIS

CHAIN OF CUSTODY - ANALYSIS REQUEST FORM

Job No: 122040 Laboratory: ALS

Project Manager: KA/JB Sampler: CP Site Location: 505 WILSON STREET EVELEIGH **Sheet:** 1 of 3

No. of samples	Sample ID/ Depth	Anticipated Result (PID/EC reading)	Date sampled	Time sampled	Sample Matrix: SWAB			Analysis Required: LEAD ANALYSES	HOLD												Sample-specific instructions/ notes
1	US_F1		5/05/2022		X				x												
2	US_W2		5/05/2022		X				x												
3	US_S3		5/05/2022		X			x													
4	US_F4		5/05/2022		X				x												
5	US_S5		5/05/2022		X			x													
6	US_F6		5/05/2022		X			x													
7	US_F7		5/05/2022		X			x													
8	US_S8		5/05/2022		X				x												
9	US_W9		5/05/2022		X				x												
10	US_F10		5/05/2022		X				x												
11	STR_S1		5/05/2022		X			x													
12	STR_S2		5/05/2022		X			x													
13	STR_S3		5/05/2022		X			x													
14	STR_F4		5/05/2022		X				x												
15	STR_W5		5/05/2022		X				x												
16	DS_A1_F1		5/05/2022		X			x													
17	DS_A2_S2		5/05/2022		X			x													
18	DS_A3_S3		5/05/2022		X			x													
19	DS_A4_F4		5/05/2022		X				x												
20	DS_A5_S5		5/05/2022		X			x													
	TOTAL							11													

Environmental Division
Sydney
Work Order Reference
ES2216027

Telephone : + 61-2-8784 8555

Turn Around *(circle)*: **NORMAL**

Comments/ Instructions: Swabs over 104.04m2

cotton swabs provided as backup

Lab Quotation No. *(if applicable)*: kazzam@eesigroup.com

Send report to *(email address)*: jbarwood@eesigroup.com

Cc: report to *(email address)*: cplatell@eesigroup.com

Cc: invoice to *(email address)*: accounts@eesigroup.com

	Name	Signature	Date	Time
Sent off Site/Office by:	Claude Platell	[signature]	10/05/22.	
Receiving Lab:	[signature]	[signature]	10/5/22	15:35
Receiving Lab:				

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED
Phone: (02) 9922 1777
Fax: (02) 9922 1010
PO Box 380, North Sydney NSW 2059
Email: eesNSW@eesigroup.com

CHAIN OF CUSTODY - ANALYSIS REQUEST FORM

Project Manager: KA/JB | Sampler: CP | Job No: 122040 | Site Location: 505 WILSON STREET EVELEIGH | Laboratory: ALS | Sheet: 2 of 3

No. of sample	Sample ID/ Depth	Anticipated Result (PID)/EC	Date sampled	Time sampled	Sample Matrix: SWAB	Sample Matrix	Sample Matrix	Analysis Required: LEAD ANALYSES	Analysis Required: Hold	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Sample-specific instructions/ notes
21	DS_A6_F6		5/05/2022		X				x										
22	DS_A7_S7		5/05/2022		X			x											
23	DS_A8_F8		5/05/2022		X				x										
24	DS_A9_F9		5/05/2022		X				x										
25	DS_A10_S10		5/05/2022		X			x											
26	DS_A11_S11		5/05/2022		X			x											
27	DS_A12_F12		5/05/2022		X				x										
28	DS_A13_F13		5/05/2022		X				x										
29	DS_A14_S14		5/05/2022		X			x											
30	DS_H1_F1		5/05/2022		X			x											
31	DS_H1_S2		5/05/2022		X			x											
32	DS_H2_F3		5/05/2022		X				x										
33	DS_H2_S4		5/05/2022		X				x										
34	DS_H3_F5		5/05/2022		X			x											
35	DS_H3_F6		5/05/2022		X			x											
36	DS_H3_S7		5/05/2022		X			x											
37	DS_H4_F8		5/05/2022		X				x										
38	DS_H4_F9		5/05/2022		X				x										
39	DS_H4_F10		5/05/2022		X			x											
40	DS_H5_F11		5/05/2022		X				x										
	TOTAL							10											

bellway.

Turn Around *(circle)*: NORMAL

Comments/ Instructions: Swabs over 104.04m2
cotton swabs provided as backup

Lab Quotation No. *(if applicable)*: kazzam@eesigroup.com
Send report to *(email address)*: jbarwood@eesigroup.com
Cc: report to *(email address)*: cplatell@eesigroup.com
Cc: invoice to *(email address)*: accounts@eesigroup.com

	Name	Signature	Date	Time
Sent off Site/Office by:				
Receiving Lab:	[illegible]	[illegible]	10/5/22	1535 22.5°C
Receiving Lab:				

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED
Phone: (02) 9922 1777
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PO Box: 380, North Sydney NSW 2059
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CHAIN OF CUSTODY - ANALYSIS REQUEST FORM

Project Manager: KA/JB | Sampler: CP | Job No: 122040 | Site Location: 505 WILSON STREET EVELEIGH | Laboratory: ALS | Sheet: 3 of 3

No. of sample	Sample ID/ Depth	Anticipated Result (PID/EC)	Date sampled	Time sampled	Sample Matrix: SWAB			Analysis Required: LEAD ANALYSES	HOLD											Sample-specific instructions/ notes
41	DS_H5_S12		5/05/2022		X			[redacted]												
42	blank 1		5/05/2022		X			[redacted]												
43	blank 2		5/05/2022		X			[redacted]												
	TOTAL							3												

Turn Around *(circle)*: NORMAL

Comments/ Instructions: Swabs over 104.04m2
cotton swabs provided as backup

Lab Quotation No. *(if applicable)* : kazzam@eesigroup.com
Send report to *(email address)* : jbarwood@eesigroup.com
Cc: report to *(email address)* : cplatell@eesigroup.com
Cc: invoice to *(email address)*: accounts@eesigroup.com

	Name	Signature	Date	Time
Sent off Site/Office by:				
Receiving Lab:	[illegible]	[illegible]	10/5/22	1535 225
Receiving Lab:				

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED
Phone: (02) 9922 1777
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PO Box: 380, North Sydney NSW 2059
Email: eesNSW@eesigroup.com

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES2216027**	Page	: 1 of 7
Client	: **ENVIRONMENTAL EARTH SCIENCES**	Laboratory	: Environmental Division Sydney
Contact	: KARIN AZZAM	Contact	: Khaleda Ataei
Address	: PO BOX 380 NORTH SYDNEY 2056	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: 02 9922 1777	Telephone	: + 61 2 8784 8555
Project	: 122040	Date Samples Received	: 10-May-2022 15:35
Order number	:	Date Analysis Commenced	: 20-May-2022
C-O-C number	: ----	Issue Date	: 23-May-2022 18:07
Sampler	: CP		
Site	: 505 WILSON STREET EVELEIGH		
Quote number	: EN/010/21		
No. of samples received	: 43		
No. of samples analysed	: 24		

ilac-MRA NATA
Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EA144: NATA accreditation covers the standard 8 metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)
- EA144: The metal concentration in the filter is reported in µg/filter on a total filter basis calculated up from the proportion of the filter analysed.

Analytical Results

Sub-Matrix: **SWAB** (Matrix: **AIR**)			Sample ID	US_S3	US_S5	US_F6	US_F7	STR_S1
			Sampling date / time	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES2216027-003**	**ES2216027-005**	**ES2216027-006**	**ES2216027-007**	**ES2216027-011**
				Result	Result	Result	Result	Result
EA144A: Suite A Particulate Base Metals in Filter Papers								
Lead	7439-92-1	0.5	µg/swab	**189**	**73.4**	**269**	**378**	**374**

Analytical Results

Sub-Matrix: **SWAB** (Matrix: **AIR**)			Sample ID	STR_S2	STR_S3	DS_A1_F1	DS_A2_S2	DS_A3_S3
			Sampling date / time	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES2216027-012**	**ES2216027-013**	**ES2216027-016**	**ES2216027-017**	**ES2216027-018**
				Result	Result	Result	Result	Result
EA144A: Suite A Particulate Base Metals in Filter Papers								
Lead	7439-92-1	0.5	µg/swab	**92.1**	**72.1**	**734**	**775**	**156**

Analytical Results

Sub-Matrix: **SWAB** (Matrix: **AIR**)			Sample ID	DS_A5_S5	DS_A7_S7	DS_A10_S10	DS_A11_S11	DS_A14_S14
			Sampling date / time	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES2216027-020**	**ES2216027-022**	**ES2216027-025**	**ES2216027-026**	**ES2216027-029**
				Result	Result	Result	Result	Result
EA144A: Suite A Particulate Base Metals in Filter Papers								
Lead	7439-92-1	0.5	µg/swab	**65.1**	**58.0**	**244**	**130**	**1260**

Analytical Results

Sub-Matrix: **SWAB** (Matrix: **AIR**)			Sample ID	DS_H1_F1	DS_H1_S2 Received as DS_H1_S1	DS_H3_F5	DS_H3_F6	DS_H3_S7
			Sampling date / time	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES2216027-030**	**ES2216027-031**	**ES2216027-034**	**ES2216027-035**	**ES2216027-036**
				Result	Result	Result	Result	Result
EA144A: Suite A Particulate Base Metals in Filter Papers								
Lead	7439-92-1	0.5	µg/swab	**783**	**240**	**2050**	**860**	**1470**

Analytical Results

Sub-Matrix: **SWAB** (Matrix: **AIR**)			Sample ID	**DS_H4_F10 Received as DS_H1_S10**	**DS_H5_S12**	**blank 1**	**blank 2**	**----**
			Sampling date / time	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	05-May-2022 00:00	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES2216027-039**	**ES2216027-041**	**ES2216027-042**	**ES2216027-043**	**--------**
				Result	Result	Result	Result	----
EA144A: Suite A Particulate Base Metals in Filter Papers								
Lead	7439-92-1	0.5	µg/swab	**347**	**541**	<0.5	<0.5	**----**

ALS Environmental

QUALITY CONTROL REPORT

Work Order	: **ES2216027**	Page	: 1 of 3
Client	: **ENVIRONMENTAL EARTH SCIENCES**	Laboratory	: Environmental Division Sydney
Contact	: KARIN AZZAM	Contact	: Khaleda Ataei
Address	: PO BOX 380 NORTH SYDNEY 2056	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: 02 9922 1777	Telephone	: + 61 2 8784 8555
Project	: 122040	Date Samples Received	: 10-May-2022
Order number	:	Date Analysis Commenced	: 20-May-2022
C-O-C number	: ----	Issue Date	: 23-May-2022
Sampler	: CP		
Site	: 505 WILSON STREET EVELEIGH		
Quote number	: EN/010/21		
No. of samples received	: 43		
No. of samples analysed	: 24		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

- **No Laboratory Duplicate (DUP) Results are required to be reported.**

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **AIR**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EA144A: Suite A Particulate Base Metals in Filter Papers (QCLot: 4349762)								
EA144A-MS: Lead	7439-92-1	0.5	µg/filter paper	<0.5	----	----	----	----
EA144A: Suite A Particulate Base Metals in Filter Papers (QCLot: 4349763)								
EA144A-MS: Lead	7439-92-1	0.5	µg/filter paper	<0.5	----	----	----	----

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

ALS Environmental

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2216027**	Page	: 1 of 4
Client	: **ENVIRONMENTAL EARTH SCIENCES**	Laboratory	: Environmental Division Sydney
Contact	: KARIN AZZAM	Telephone	: + 61 2 8784 8555
Project	: 122040	Date Samples Received	: 10-May-2022
Site	: 505 WILSON STREET EVELEIGH	Issue Date	: 23-May-2022
Sampler	: CP	No. of samples received	: 43
Order number	:	No. of samples analysed	: 24

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **AIR**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA144A: Suite A Particulate Base Metals in Filter Papers							
Snap Lock Bag (EA144A-MS)							
US_S3, US_S5, US_F6, US_F7, STR_S1, STR_S2, STR_S3, DS_A1_F1, DS_A2_S2, DS_A3_S3, DS_A5_S5, DS_A7_S7, DS_A10_S10, DS_A11_S11, DS_A14_S14, DS_H1_F1, DS_H1_S2 - Received as DS_H1_S1, DS_H3_F5, DS_H3_F6, DS_H3_S7, DS_H4_F10 - Received as DS_H1_S10, DS_H5_S12, blank 1, blank 2	**05-May-2022**	**20-May-2022**	01-Nov-2022	✓	**20-May-2022**	01-Nov-2022	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **AIR**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Method Blanks (MB)							
Filter paper analysis for suite A by ICPMS	EA144A-MS	2	24	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Filter paper analysis for suite A by ICPMS	EA144A-MS	AIR	In house: Referenced to AS2800 and USEPA Method IO-3.2. Residue in air from either High Volume samplers or personal OH&S papers are digested in Nitric acid and analyzed for metals.

Preparation Methods	Method	Matrix	Method Descriptions
Particulate Base Metals - HVS	EA144	AIR	In house: Referenced to AS2800 Residue in air from either High Volume samplers or personal OH&S papers are digested in Nitric acid and analyzed for metals.

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

GREENPLUS PROPERTY SERVICES
PROPERTY RISKS RESOLVED

ASET100894/104074/1-5

URGENT

CHAIN OF CUSTODY – AIR SAMPLING

Job Number: 122040 Site Location / Project Code: 505 Wilson st Eveleigh Date: 03/05/22.

Project Manager: KA Sampled By: CP Laboratory: ASET Weather: Clear + sunny.

Sheet ____ of ____

	Cowl ID	Cowl Batch	Pump ID	Sample Location	Starting Time	Stop Time	Calibrations (Y / N)	Initial Flow Rate (L/Min)	Final Flow Rate (L/min)	Average Flow Rate (L/min)	Total Sampling Period (Min)	Total Volume (Factored -L)	Fiber Count (Asbestos / SMF)	Testing of (eg. Dust, Asbestos)	
1	A711			Back fence// close to railway	7:27	4:06	Y	2.00	2.00	2.00	519	1046		ASB fibre	519
2	~~AA27~~ A943			front gate// along wilson Street.	7:27	4:06	Y	2.00	2.00	2.00	516	1040		ASB fibre	516
3	~~A304~~ AB78			front door	7:27	4:06	Y	2.00	2.00	2.00	515	1038		lead dust	515
4	AS95			back gate	7:27	4:06	Y	2.00	2.00	2.00	512	1032		lead dust	512
5	AS15			blank			Y								

RECEIVED
04 MAY 2022
BY: ....

TURN AROUND: Normal (in 5 days) / 3 Days / 24 HRS (Confirm with lab in advance if quick turn-around is required)

Lab Quotation No. (if Applicable)

Comments / Instructions: AB78, AS95 analysis for lead dust.

Send Result to: cplatell@eesigroup

cc result to: katzam@" jbarwood@"

	Name	Signature	Date	Time
Sent off Site / Office By	Claude platell	[signature]		
Receiving Lab By:	[illegible] - ASET	[signature]	4/5/22	2.30pm

Invoice to: accounts@eesigroup.com
82-84 Dickson Avenue, Artarmon NSW 2064
PO Box: 380, North Sydney NSW 2059
Phone: (02) 9922 1777

... @ 1.0L/min; 1.0063 @ 2.0L/min; 1.0080 @ 4.0L/min) – (Due 18/12/2021)

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET100894 / 104074 / 1 - 5
Your ref: 505 Wilson Street Eveleigh
NATA Accreditation No: 14484.

4 May 2022

Environmental Earth Sciences
PO Box 380
North Sydney NSW 2059

Attn: Mr Claude Platell

Air Monitoring for Airborne Asbestos

1. Introduction:

This report presents the results of five control air monitoring samples collected* on 3 May 2022 by Environmental Earth Sciences for analysis for airborne asbestos. Five air monitoring samples were forwarded for analysis by Environmental Earth Sciences on 4 May 2022.

2. Methods:

In accordance with the Work-safe Australia Guidance Notes on Membrane Filter Method on estimating air borne asbestos fibres – Second Edition – NOHSC – 3003 (2005) and **Safer Environment Method 2** as supplementary work instructions.

3. Results:

Location 03/05/2022	Fibres / 100 Fields	Fibres/mL
1- ASET100894 / 104074 / 1 – A711 **Back fence, close to railway**	**3.0 / 100**	**< 0.01**
2- ASET100894 / 104074 / 2 – A943 **Front gate, along Wilson Street**	**2.0 / 100**	**< 0.01**
3- ASET100894 / 104074 / 3 – AB78 **Front door**	**3.0 / 100**	**< 0.01**
4- ASET100894 / 104074 / 4 – AS95 **Back gate**	**5.0 / 100**	**< 0.01**
5- ASET100894 / 104074 / 5 – AJ15 **Field Blank**	**0.0 / 100**	**-**

Analysed and Reported by

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

Accredited for compliance with ISO/IEC 17025 - Testing.

***Air monitoring was carried out by Environmental Earth Sciences staff trained by ASET and ASET only takes the responsibility for volume measurement part, which was obtained from data supplied to us in the field work sheet submitted by Environmental Earth Sciences.**

AS BESTOS ASET100924/104104/1-3

ENVIRONMENTAL EARTH SCIENCES — CONTAMINATION RESOLVED
GREENPLUS PROPERTY SERVICES — PROPERTY RISKS RESOLVED

CHAIN OF CUSTODY – AIR SAMPLING

URGENT

Job Number: 122040 Site Location / Project Code: 505 Wilson st, Eveleigh. Date: 04/05/2022

Project Manager: KA Sampled By: CP Laboratory: ASET Weather: Clear // Sunny Sheet 1 of 1

	Cowl ID	Cowl Batch	Pump ID	Sample Location	Starting Time	Stop Time	Calibrations (Y / N)	Initial Flow Rate (L/Min)	Final Flow Rate (L/min)	Average Flow Rate (L/min)	Total Sampling Period (Min)	Total Volume (Factored -L)	Fiber Count (Asbestos / SMF)	Testing of (eg. Dust, Asbestos)
1	A09			Back fence // close to rail was	6:50 am	4:30 pm	Y	2.0	2.0	2.0	578	1165		
2	AA27			front gate // along wilson st.	6:50 am	4:30 pm	Y	2.0	2.0	2.0	576	1161		
3	AF47.			blank.										

RECEIVED 05 MAY 2022 BY:

TURN AROUND Normal (in 5 days) / 3 Days / 24 HRS (Confirm with lab in advance if quick turn-around is required)

Lab Quotation No. (if Applicable) cplatel@eesigroup

Comments / Instructions

Send Result to kazam@

	Name	Signature	Date	Time
Sent off Site / Office By	Claude Platel	[signature]	05/05/2022	
Receiving Lab By:	Kim – ASET	[signature]	5/5/22	11am

cc result to: jbarwood@

Invoice to accounts@eesigroup.com

82-84 Dickson Avenue, Artarmon NSW 2064

Phone: (02) 9922 1777

PO Box: 380, North Sydney NSW 2059

... 1.0063 @ 2.0L/min; 1.0080 @ 4.0L/min) – (Due 18/12/2021)

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET100924 / 104104 / 1 - 3
Your ref: 505 Wilson Street Eveleigh
NATA Accreditation No: 14484.

5 May 2022

Environmental Earth Sciences
PO Box 380
North Sydney NSW 2059

Attn: Mr Claude Platell

Air Monitoring for Airborne Asbestos

1. Introduction:

This report presents the results of three control air monitoring samples collected* on 4 May 2022 by Environmental Earth Sciences for analysis for airborne asbestos. Three air monitoring samples were forwarded for analysis by Environmental Earth Sciences on 5 May 2022.

2. Methods:

In accordance with the Work-safe Australia Guidance Notes on Membrane Filter Method on estimating air borne asbestos fibres – Second Edition – NOHSC – 3003 (2005) and **Safer Environment Method 2** as supplementary work instructions.

3. Results:

Location 04/05/2022	Fibres / 100 Fields	Fibres/mL
1- ASET100924 / 104104 / 1 – A09 **Back fence, close to railway**	**3.5 / 100**	**< 0.01**
2- ASET100924 / 104104 / 2 – AA27 **Front gate, along Wilson Street**	**2.0 / 100**	**< 0.01**
3- ASET100924 / 104104 / 3 – AF47 **Field Blank**	**0.0 / 100**	**-**

Analysed and Reported by

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

Accredited for compliance with ISO/IEC 17025 - Testing.

***Air monitoring was carried out by Environmental Earth Sciences staff trained by ASET and ASET only takes the responsibility for volume measurement part, which was obtained from data supplied to us in the field work sheet submitted by Environmental Earth Sciences.**

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

GREENPLUS PROPERTY SERVICES
PROPERTY RISKS RESOLVED

ASET101017/104197/1-3

CHAIN OF CUSTODY – AIR SAMPLING

Job Number: 122040 Site Location / Project Code: 505, Wilson St, Erskineville Date: 05/05/22.

Project Manager: KA Sampled By: CP Laboratory: ASET Weather: Slight rain, & clear cool

Sheet 1 of 1

URGENT

	Cowl ID	Cowl Batch	Pump ID	Sample Location	Starting Time	Stop Time	Calibrations (Y / N)	Initial Flow Rate (L/Min)	Final Flow Rate (L/min)	Average Flow Rate (L/min)	Total Sampling Period (Min)	Total Volume (Factored -L)	Fiber Count (Asbestos / SMF)	Testing of (eg. Dust, Asbestos)
1	A510			Back fence // close to railway	7:05	4:50	Y	2.0	2.0	2.0	583	1175		
2	A437			front gate // along wilson st	7:06	4:50	Y	2.0	2.0	2.0	587	1183		
3	A390			Blank										

RECEIVED
09 MAY 2022
BY:

TURN AROUND Normal (in 5 days) / 3 Days / 24 HRS (Confirm with lab in advance if quick turn-around is required)

Lab Quotation No. (if Applicable)

Comments / Instructions

Send Result to cplatell@eesigroup.com.au

cc result to: kazam@ jbarwood@

Invoice to accounts@eesigroup.com

	Name	Signature	Date	Time
Sent off Site / Office By	Claude Platell	[signature]		
Receiving Lab By:	Kush - ASET	[signature]	9/5/22	11.40

82-84 Dickson Avenue, Artarmon NSW 2064
PO Box: 380, North Sydney NSW 2059
Phone: (02) 9922 1777

Note: EES-R2 Rotameter Calib-Factor (**1.0148** @ 1.0L/min; **1.0063** @ 2.0L/min; **1.0080** @ 4.0L/min) – (**Due 18/12/2021**)

ENVIRONMENTAL EARTH SCIENCES

GREENPLUS PROPERTY SERVICES
PROPERTY RISKS RESOLVED

ASET101018/104198/1-2

CHAIN OF CUSTODY – AIR SAMPLING

Job Number 122040 Site Location / Project Code: 505, Wilson St, Eveleigh Date: 05/05/22.

Project Manager: KA Sampled By: CP Laboratory: ASET Weather: Slight rain, & clear cool

Sheet 1 of 1

	Cowl ID	Cowl Batch	Pump ID	Sample Location	Starting Time	Stop Time	Calibrations (Y / N)	Initial Flow Rate (L/Min)	Final Flow Rate (L/min)	Average Flow Rate (L/min)	Total Sampling Period (Min)	Total Volume (Factored -L)	Fiber Count (Asbestos / SMF)	Testing of (eg. Dust, Asbestos)
1	AA43			front door.	7:05	4:50	Y	2	2	2	596	1201		
2	AU97.			Back gate	7:05	4:50	Y	2	2	2	596.	1201		

RECEIVED
09 MAY 2022
BY:

TURN AROUND Normal (in 5 days) / 3 Days / 24 HRS (Confirm with lab in advance if quick turn-around is required)

Lab Quotation No. (if Applicable)

Comments / Instructions

Send Result to cplatel@eesigroup.ca kazem@ jbarnard@

	Name	Signature	Date	Time
Sent off Site / Office By	Claude Platell			
Receiving Lab By:	Kim - ASET		9/5/22	11.40am

cc result to:

Invoice to accounts@eesigroup.com

82-84 Dickson Avenue, Artarmon NSW 2064

PO Box: 380, North Sydney NSW 2059

Phone: (02) 9922 1777

Note: EES-R2 Rotameter Calib-Factor (**1.0148** @ 1.0L/min; **1.0063** @ 2.0L/min; **1.0080** @ 4.0L/min) – **(Due 18/12/2021)**

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET101017 / 104197 / 1 - 3
Your ref: 505 Wilson Street Eveleigh
NATA Accreditation No: 14484.

9 May 2022

Environmental Earth Sciences
PO Box 380
North Sydney NSW 2059

Attn: Mr Claude Platell

Air Monitoring for Airborne Asbestos

1. Introduction:

This report presents the results of three control air monitoring samples collected* on 5 May 2022 by Environmental Earth Sciences for analysis for airborne asbestos. Three air monitoring samples were forwarded for analysis by Environmental Earth Sciences on 9 May 2022.

2. Methods:

In accordance with the Work-safe Australia Guidance Notes on Membrane Filter Method on estimating air borne asbestos fibres – Second Edition – NOHSC – 3003 (2005) and **Safer Environment Method 2** as supplementary work instructions.

3. Results:

Location 05/05/2022	Fibres / 100 Fields	Fibres/mL
1- ASET101017 / 104197 / 1 – AJ10 **Back fence, close to railway**	**1.0 / 100**	**< 0.01**
2- ASET101017 / 104197 / 2 – A437 **Front gate, along Wilson Street**	**1.0 / 100**	**< 0.01**
3- ASET101017 / 104197 / 3 – A390 **Field Blank**	**0.0 / 100**	**-**

Analysed and Reported by

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

Accredited for compliance with ISO/IEC 17025 - Testing.

***Air monitoring was carried out by Environmental Earth Sciences staff trained by ASET and ASET only takes the responsibility for volume measurement part, which was obtained from data supplied to us in the field work sheet submitted by Environmental Earth Sciences.**

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref: ASET101018 / 104198 / 1 - 2
Your ref: 505 Wilson Street Eveleigh
NATA Accreditation No: 14484.

9 May 2022

Environmental Earth Sciences
PO Box 380
North Sydney NSW 2059

Attn: Mr Claude Platell

Air Monitoring for Airborne Asbestos

1. Introduction:

This report presents the results of two control air monitoring samples collected* on 5 May 2022 by Environmental Earth Sciences for analysis for airborne asbestos. Two air monitoring samples were forwarded for analysis by Environmental Earth Sciences on 9 May 2022.

2. Methods:

In accordance with the Work-safe Australia Guidance Notes on Membrane Filter Method on estimating air borne asbestos fibres – Second Edition – NOHSC – 3003 (2005) and **Safer Environment Method 2** as supplementary work instructions.

3. Results:

Location 05/05/2022	Fibres / 100 Fields	Fibres/mL
1- ASET101018 / 104198 / 1 – AA43 **Front door**	**3.0 / 100**	**< 0.01**
2- ASET101018 / 104198 / 2 – AU97 **Back gate**	**2.5 / 100**	**< 0.01**

Analysed and Reported by

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

NATA
WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing.

***Air monitoring was carried out by Environmental Earth Sciences staff trained by ASET and ASET only takes the responsibility for volume measurement part, which was obtained from data supplied to us in the field work sheet submitted by Environmental Earth Sciences.**

LEAD DUST

ASET100923 / 104103 / 1 – 2 (LEAD)

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

GREENPLUS PROPERTY SERVICES
PROPERTY RISKS RESOLVED

CHAIN OF CUSTODY – AIR SAMPLING

Job Number 122040 Site Location / Project Code: 505 Wilson St, Eveleigh. Date: 04/05/2022

Project Manager: KA Sampled By: CP Laboratory: ASET Weather: clear / sunny

Sheet 1 of 1

Cowl ID	Cowl Batch	Pump ID	Sample Location	Starting Time	Stop Time	Calibrations (Y / N)	Initial Flow Rate (L/Min)	Final Flow Rate (L/min)	Average Flow Rate (L/min)	Total Sampling Period (Min)	Total Volume (Factored -L)	Fiber Count (Asbestos / SMF)	Testing of (eg. Dust, Asbestos)
A304			front door	6:50	4:30	Y	2.0	2.0	2.0	576	1161		lead dust
~~A307~~ A834			back gate	6:50	4:30	Y	2.0	2.0	2.0	574	1157		lead dust

1
2

RECEIVED
05 MAY 2022
BY:

TURN AROUND Normal (in 5 days) / 3 Days / 24 HRS (Confirm with lab in advance if quick turn-around is required)

Lab Quotation No. (if Applicable)

Comments / Instructions dust analysis.

Send Result to cplatell@eesigroup.com kazzan@ jbarwood@

	Name	Signature	Date	Time
Sent off Site / Office By	Clarelle Platell		04/05/2022	
Receiving Lab By:	Kim – ASET		5/5/22	11 am

cc result to:

Invoice to accounts@eesigroup.com
82-84 Dickson Avenue, Artarmon NSW 2064
PO Box: 380, North Sydney NSW 2059
Phone: (02) 9922 1777

Note: EES-R2 Rotameter Calib-Factor (1.0148 @ 1.0L/min; 1.0063 @ 2.0L/min; 1.0080 @ 4.0L/min) – (Due 18/12/2021)

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD
ABN 36 088 095 112

Our ref: ASET100923 / 104103 / 1 - 2
Your ref: 505 Wilson Street Eveleigh

9 May 2022

Environmental Earth Sciences
PO Box 380
North Sydney NSW 2059

Attn: Mr Claude Platell

Dear Claude

Lead Analysis
This report presents the results of two samples forwarded by Environmental Earth Sciences on 5 May 2022, for analysis for lead content.

1.Introduction: Two samples forwarded were analysed for the presence of lead by SAL.

2. Methods: The analytical procedures used by the External laboratory have been developed from established internationally recognized procedures. Their laboratory in house method ID is A5 (Total Lead on Filter Paper – In House Method A8 determined by APHA 3111B (Flame AAS).

3. Results : **Sample No. 1. ASET100923 / 104103 / 1. A304**
Lead Content = <0.001 mg

Sample No. 2. ASET100923 / 104103 / 2. A834
Lead Content = 0.013 mg

Reported by,

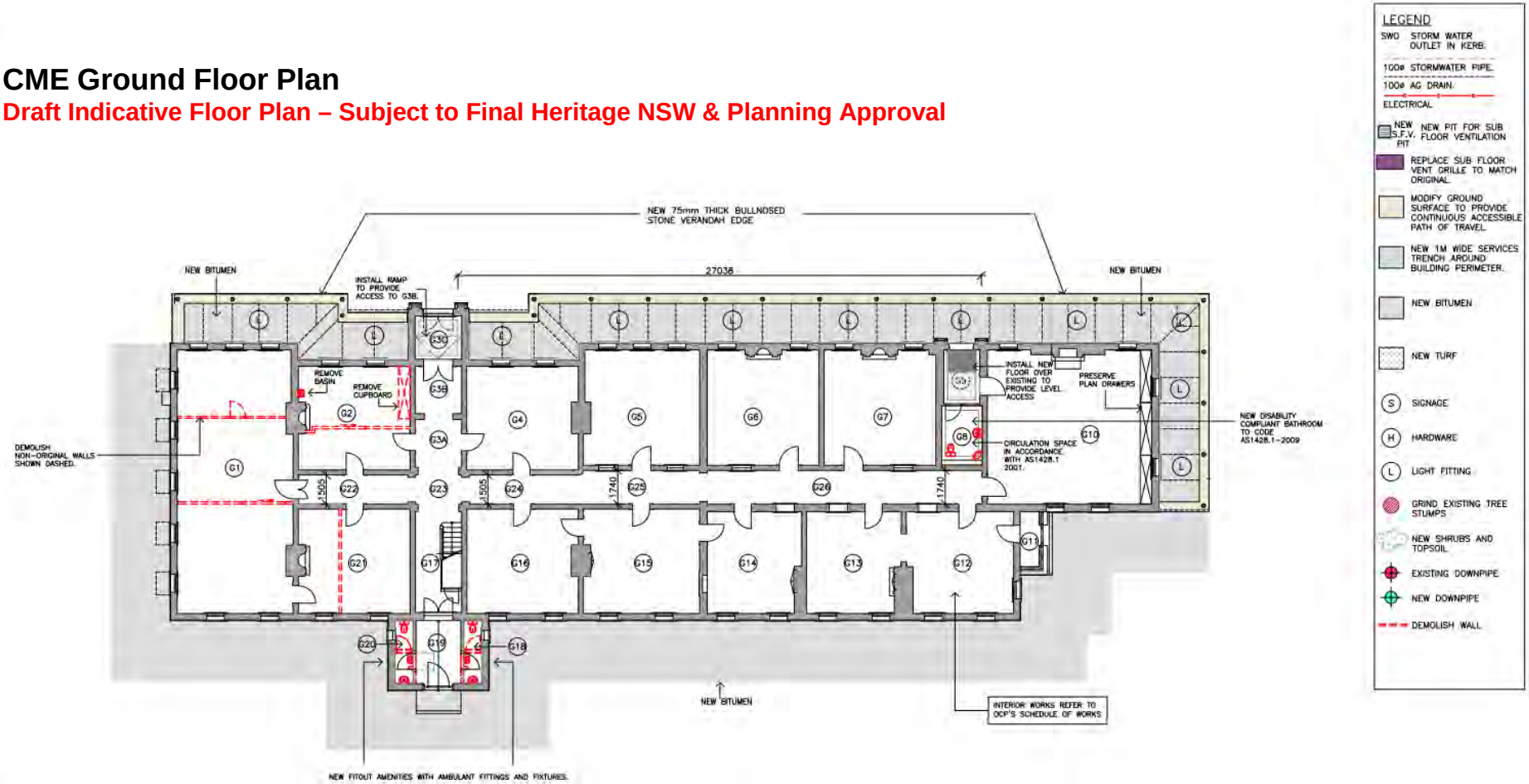
Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist

ENVIRONMENTAL EARTH SCIENCES
CONTAMINATION RESOLVED

APPENDIX B: FLOOR PLAN

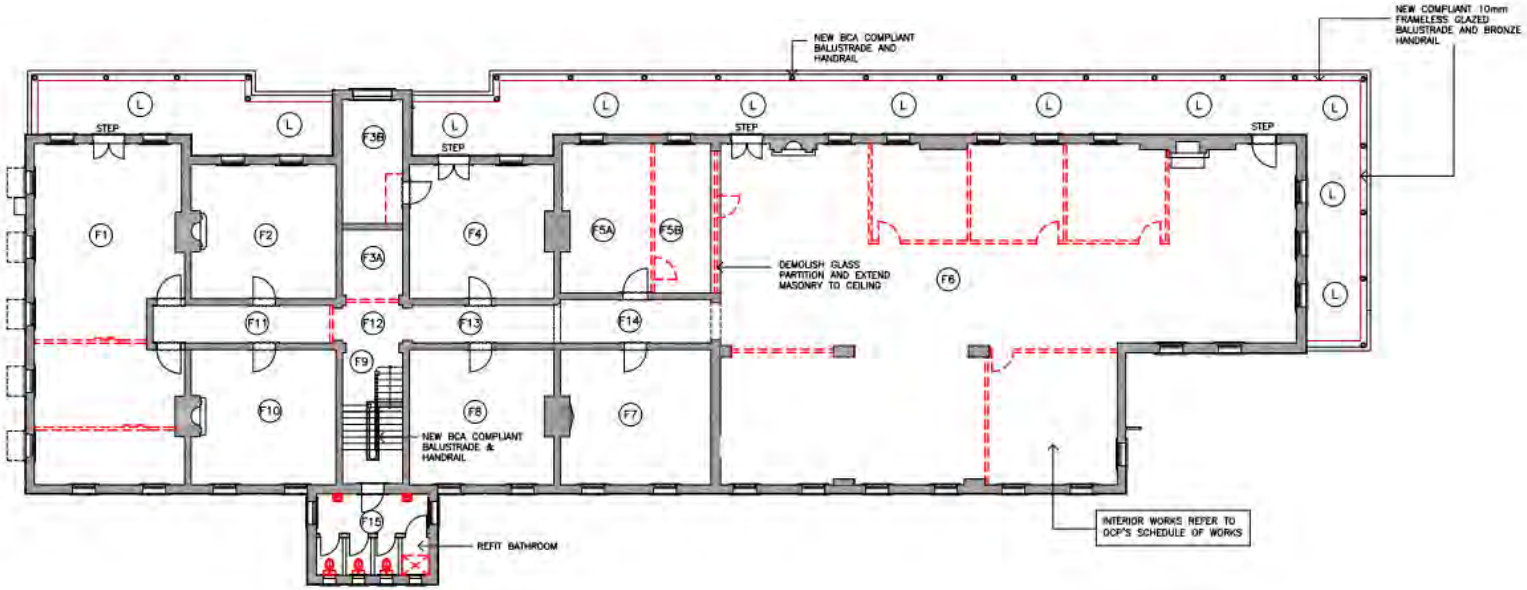
CME Ground Floor Plan

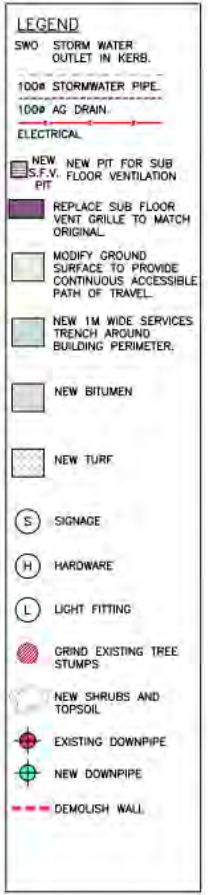
Draft Indicative Floor Plan – Subject to Final Heritage NSW & Planning Approval



CME Level One Floor Plan

Draft Indicative Floor Plan – Subject to Final Heritage NSW & Planning Approval





APPENDIX C: PHOTO PLATE – SAMPLING LOCATIONS

Photo Plate 1: Sample location at US_S3. Refer to F11 on Attachment B. Red box denotes swab location.

Photo Plate 2: Sample location at US_S5. Refer to F12 on Attachment B.

Photo Plate 3: Sample location at US_F6. Refer to F13 on Attachment B.

Photo Plate 4: Sample location at US_F7. Refer to F13 on Attachment B.

Photo Plate 5: Sample location at STR_S1. Refer to F9 on Attachment B.

Photo Plate 6: Sample location at STR_S2. Refer to F9 on Attachment B.

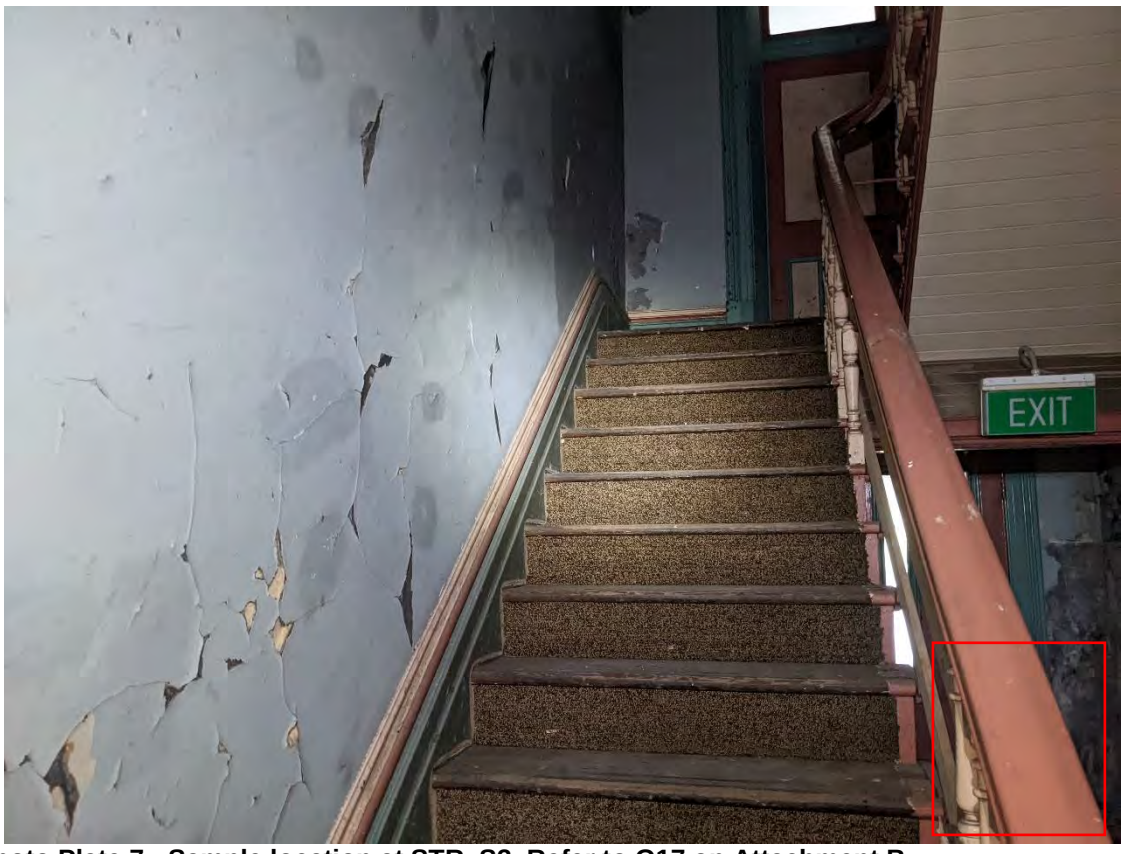


Photo Plate 7: Sample location at STR_S3. Refer to G17 on Attachment B.

Photo Plate 8: Sample location at DS_A1_F1. Refer to G3A on Attachment B.

Photo Plate 9: Sample location at DS_A2_S2. Refer to G2 on Attachment B.

Photo Plate 10: Sample location at DS_A3_S3. Refer to G21 on Attachment B.

Photo Plate 11: Sample location at DS_A5_S5. Refer to G4 on Attachment B.

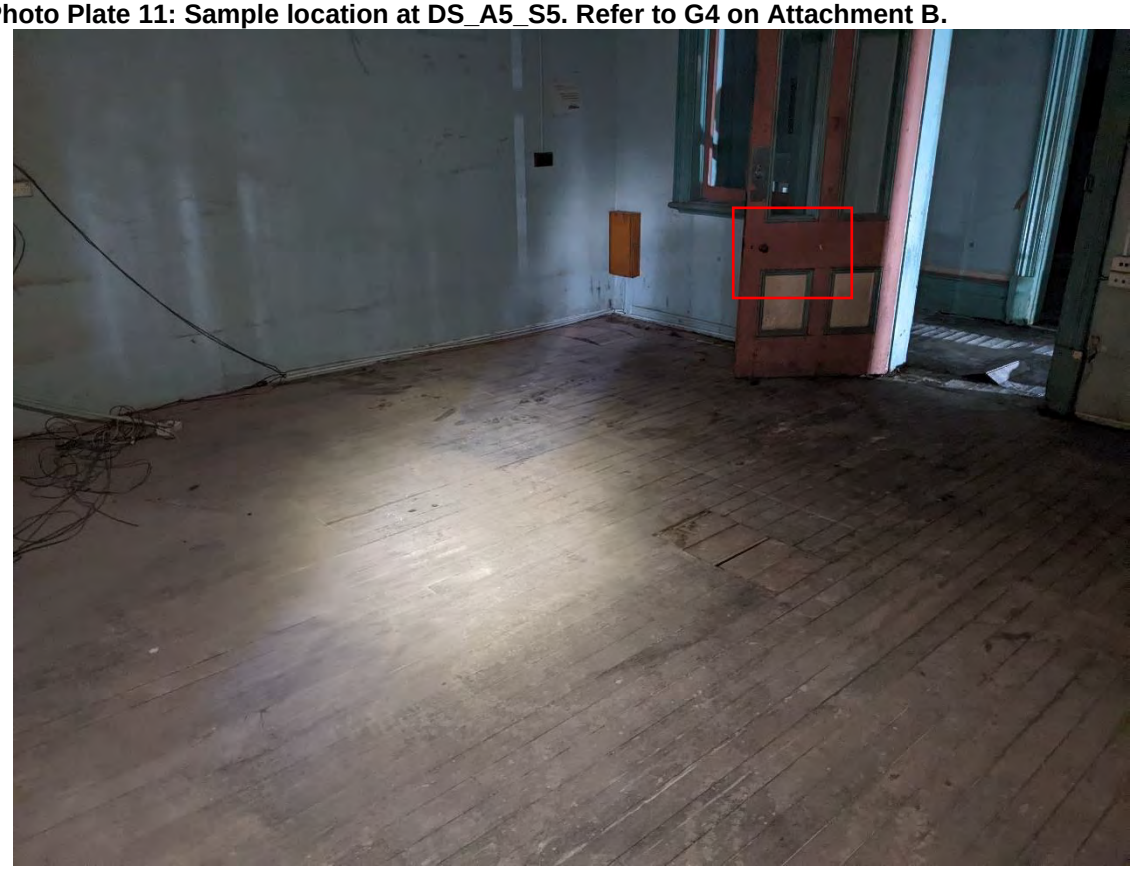


Photo Plate 12: Sample location at DS_A7_S7. Refer to G5 on Attachment B.

Photo Plate 13: Sample location at DS_A10_S10. Refer to G6 on Attachment B.

Photo Plate 14: Sample location at DS_A11_S11. Refer to G7 on Attachment B.

Photo Plate 15: Sample location at DS_A14_S14. Refer to G10 on Attachment B.

Photo Plate 16: Sample location at DS_H1_F1. Refer to G3B on Attachment B.

Photo Plate 17: Sample location at DS_H1_S2. Refer to G3A on Attachment B.

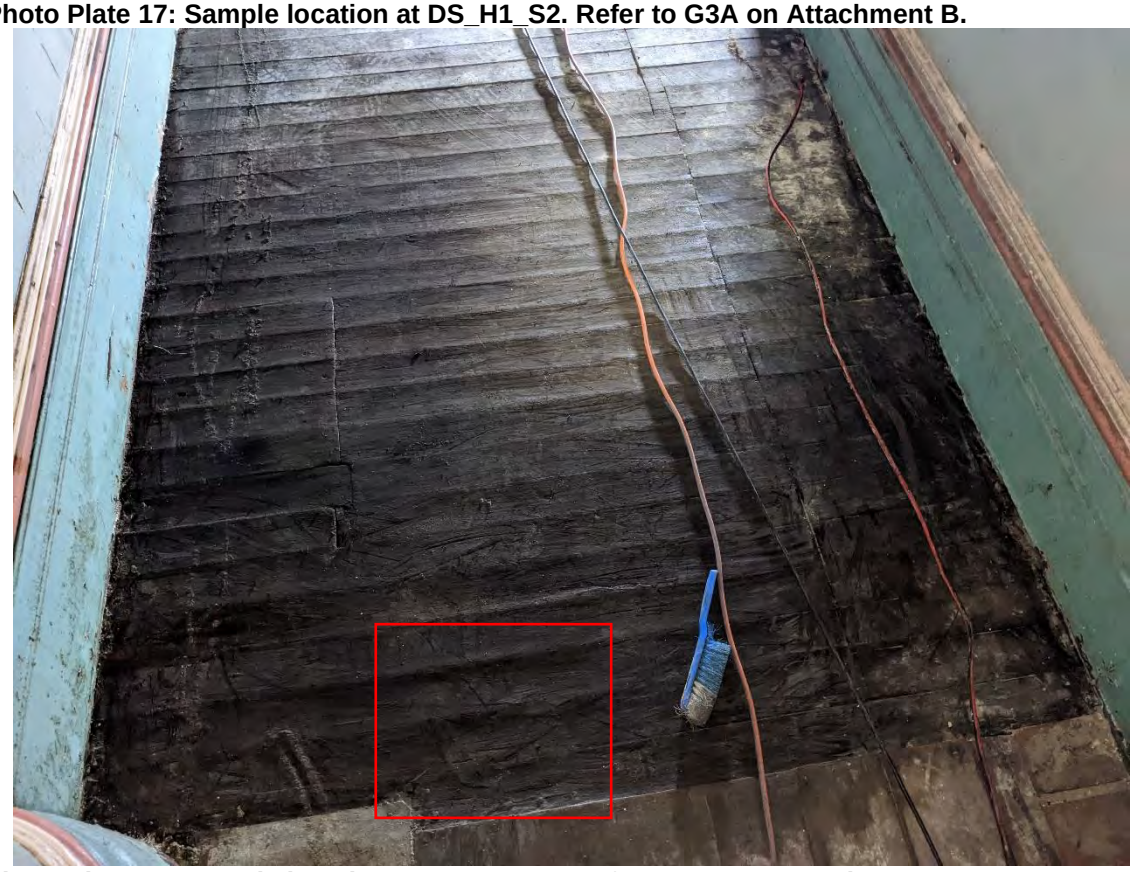


Photo Plate 18: Sample location at DS_H3_F5. Refer to G24 on Attachment B.

Photo Plate 19: Sample location at DS_H3_F6. Refer to G24 on Attachment B.

Photo Plate 20: Sample location at DS_H3_F7. Refer to G25 on Attachment B.

Photo Plate 21: Sample location at DS_H4_F10. Refer to G26 on Attachment B.

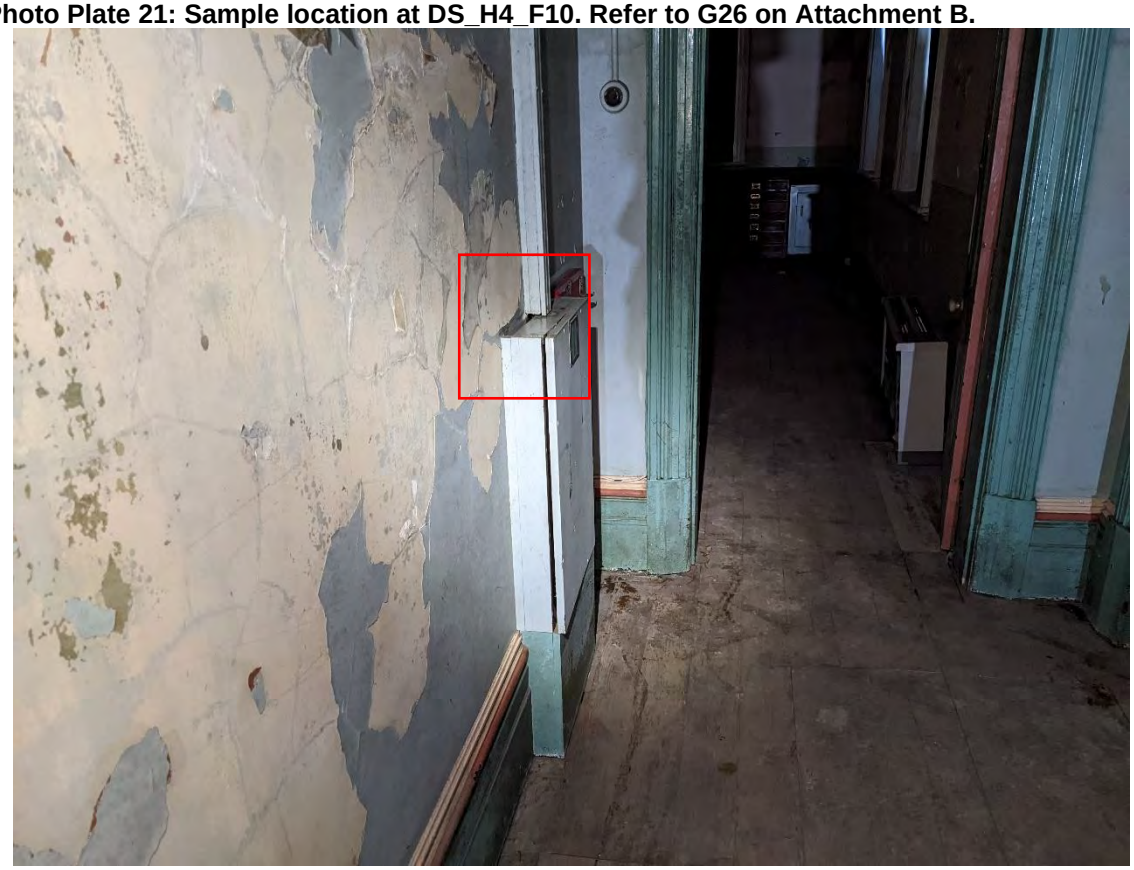


Photo Plate 22: Sample location at DS_H5_S12. Refer to G26 on Attachment B.

APPENDIX D: PHOTO PLATE – CLEARANCE PHOTO

Photo plate 1: Refer to F11 attachment B.

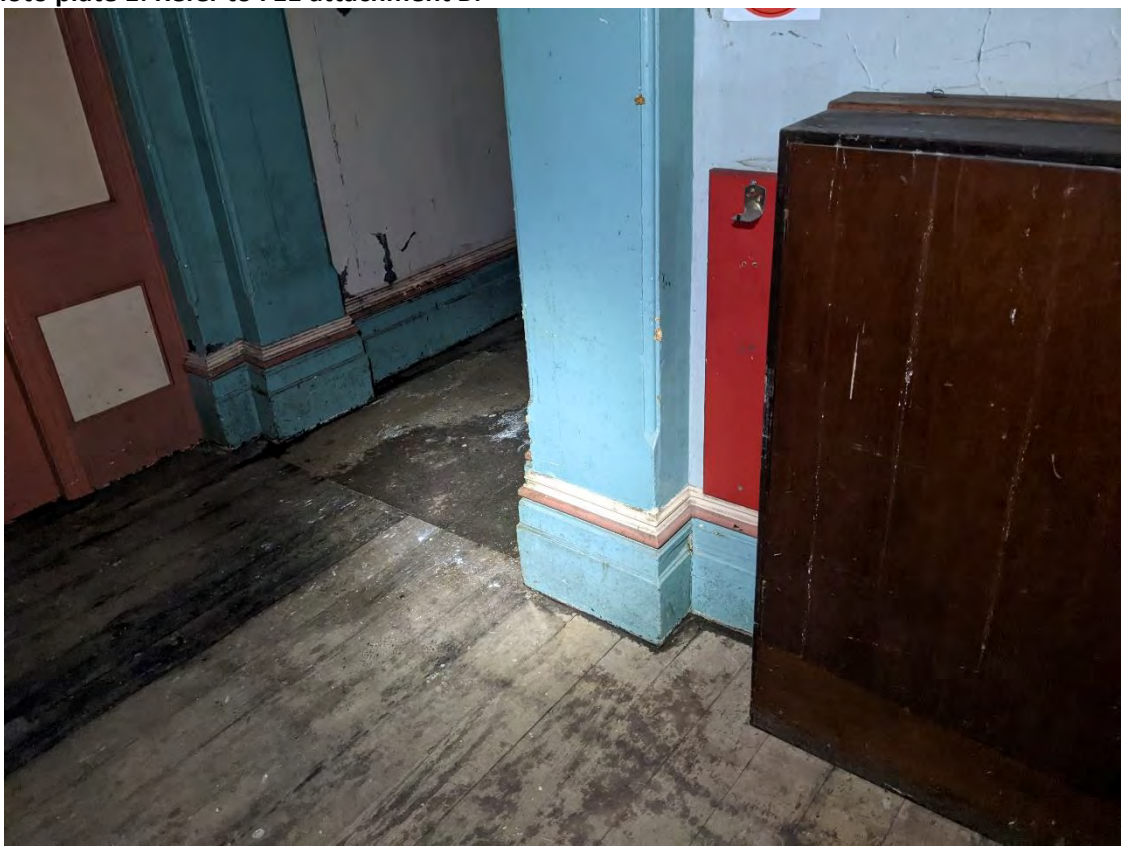


Photo plate 2: Refer to F12 attachment B.

Photo plate 3: Refer to F13 attachment B.

Photo plate 4: Refer to F14 attachment B.

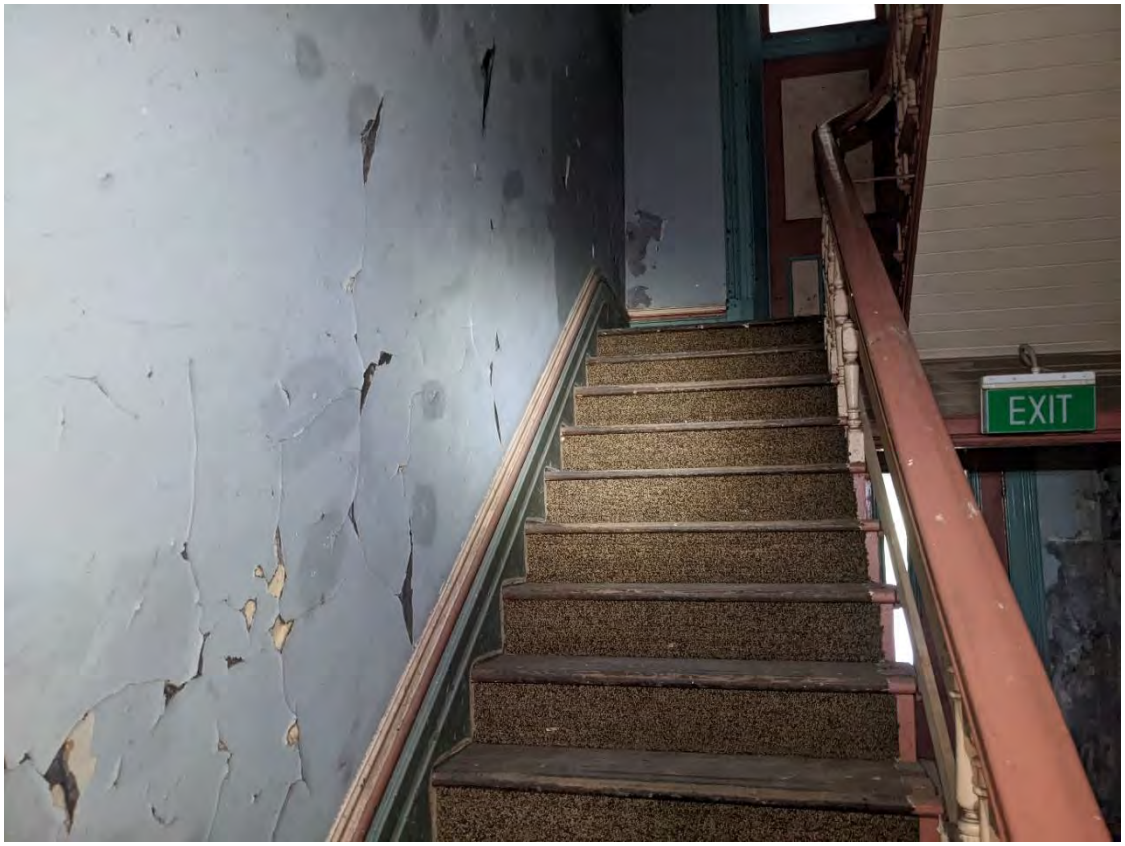


Photo plate 5: Refer to F9 attachment B.

Photo plate 6: Refer to G17 attachment B.

Photo plate 7: Refer to G1 attachment B.

Photo plate 8: Refer to G2 attachment B.

Photo plate 9: Refer to G3A attachment B.

Photo plate 10: Refer to G3B attachment B.

Photo plate 11: Refer to G4 attachment B.

Photo plate 12: Refer to G5 attachment B.

Photo plate 13: Refer to G6 attachment B.

Photo plate 14: Refer to G7 attachment B.

Photo plate 15: Refer to G10 attachment B.

Photo plate 16: Refer to G12 attachment B.

Photo plate 17: Refer to G13 attachment B.

Photo plate 18: Refer to G14 attachment B.

Photo plate 19: Refer to G15 attachment B.

Photo plate 20: Refer to G16 attachment B.

Photo plate 27: Refer to G22 attachment B.

Photo plate 28: Refer to G23 attachment B.

Photo plate 27: Refer to G24 attachment B.

Photo plate 28: Refer to G25 attachment B.

Photo plate 28: Refer to G26 attachment B.