FOUNDATION EARTH SCIENCES

19th October, 2023

Ground King Civil Pty Ltd
1/15-17 Hallstrom Pl,
Wetherill Park NSW

Dear Elias,

Stockpiles - Asbestos Clearance Certificate

The following asbestos clearance is provided in accordance with Safe Work Australia (2016) *How to Safely Remove Asbestos: Code of Practice* and other regulatory guidance such as Work Health and Safety Act (2011) and the National Environmental Protection Measure (2013 updated).

1.0 Site Identification and Location

Site Identifier	Site Details
Site Location	290-308 Aldington Road and 59-63 Abbotts Road, Kemps Creek NSW
Local Government Area (LGA)	Liverpool
Current Site Use/Status	Vacant under construction
Surrounding Land Uses	Rural Residential
Previous Land Use	Rural/Residential

The following table outlines a summary of the removal and inspection works undertaken on site:

2.0 Site Review

Removal Work	
Date Removal Work Undertaken	28/09/2023-5/10/2023
Asbestos Removal Contractor and License Number	Omega Hazmat Pty Ltd -Licence # AD214135
Contact Details	Asquith NSW- PH – 0448 888 503
Details of specific asbestos removal work areas.	The asbestos was removed from the following areas: - Stockpiles within the remediation zone. No other areas were undertaken for asbestos removal however, asbestos may be present in these areas.
Notification and Plan Review	
Has the Asbestos Removal Control form been reviewed?	An Asbestos Removal Control form was supplied by the client.
Has the Asbestos Removal notification form been reviewed?	An Asbestos Removal Notification form was supplied by the client.
Is the removal work consistent with the control plan and notification form?	N/A
Have any notices been issued on the site (eg. Work Safe, EPA, Local Council)	Client advised no notices have been issued.
Visual Inspection Details	
Inspection Date and Time	Inspection 28/09/2023-5/10/2023
Inspected By	Ben Buckley #-LAA001012 Daniel Gibbs #CPCCBC5014A
Inspection Method	Visual and Sampling
Inspection Depth	Inspection of the above listed removal areas. Final inspection of the transit route and waste routes.
Air Monitoring Required? (if yes go to next sections)	No
Site Surface Area free from Visible Asbestos?	Areas described above have been removed.
Can the Area be reoccupied?	Yes
Air Monitoring Details	
Air Monitoring was carried out as part of the clearance inspection (the result was below 0.01 f/ml).	N/A
Has the air monitoring sample been analysed by a NATA accredited laboratory? (Attach report if available)	N/A
Can the Area be reoccupied?	N/A

© Foundation Earth Sciences

3.0 Previous Reports

Several Previous reports for were provided for a review for this project -

1. Alliance Geotechnical (2023) Remediation Action Plan, 290-308 Aldington Road and 59-63 Abbotts Road, Kemps Creek 2 for ESR Investment Management 2 (Australia) Pty Ltd ATF KC Trust No.1 (report ref 13546-ER-2-2_Rev1).
2. Alliance Geotechnical (2023) Supplementary Contamination Assessment Report, 290-308 Aldington Road and 59-63 Abbotts Road, Kemps Creek for ESR Investment Management 2 (Australia) Pty Ltd ATF KC Trust No.1 (report ref 13546-ER-2-3).
3. Alliance Geotechnical (2023) Supplementary Contamination Assessment Report 2, 290-308 Aldington Road and 59-63 Abbotts Road, Kemps Creek for ESR Investment Management 2 (Australia) Pty Ltd ATF KC Trust No.1 (report ref 13546-ER-2-4).
4. EP Risk (2023) Alliance Remediation Action Plan, 290-308 Aldington Road and 59-63 Abbotts Road, Kemps Creek for ESR Investment Management 2 (Australia) Pty Ltd ATF KC Trust No.1 report EP3244.004_Addendum 01_v1.

These reports were reviewed in detail and were utilised as part of remediation works during the assessment of the site.

© Foundation Earth Sciences

4.0 Field Observations

The following observations were made regarding the site:

- From the 28th of September to the 5th of October 2023, FES Group staff completed supervision of stockpile clearances and took forty-two (42) soil samples from the stockpiled soils labelled as AS1-AS39.
- FES Staff also undertook several inspections and inspection screening sampling across the stockpiles in order to assess the site.

5.0 Site Assessment Criteria

Health screening for asbestos in soil, which are based on scenario-specific likely exposure levels, are adopted from the WA DoH guidelines and are referred in Table 7 in Schedule B1 of the NEPM. The following health screening levels for asbestos can be seen below:

Table 3: Health Screening Levels for Asbestos

	Health Screening Levels (w/w)			
Form of Asbestos	**Residential A**	**Residential B**	**Recreational C**	**Commercial/Industrial D**
Bonded ACM	0.01%	0.04%	0.02%	0.05%
FA and AF (Friable Asbestos)	0.001%			
All forms of asbestos	No visible asbestos for surface soil			

© Foundation Earth Sciences

Further to this a letter in reference 4 described above outline site specific criteria for the project this letter is attached as an appendix to this letter (refer to Methodology Letter)

6.0 Aesthetic Considerations

Schedule B1 in NEPC (2013) requires the consideration of aesthetic issues arising from soils and groundwater within the site. The following assessment criteria were adopted when considering aesthetics:

- no persistently malodourous soils or extracted groundwater;
- no persistent hydrocarbon sheen on surface water;
- no staining or discolouration in soils, taking into consideration the natural state of the soil; and
- no large or frequently occurring anthropogenic materials present (to the extent practicable).

7.0 Remediation Strategy

The following outlines the remediation goals for the site:

- The remediation goal is to render the stockpile suitable for the proposed development upon completion of the stockpile validation works. This would be achieved by remediating the asbestos detected in the soil.

Proposed Plan / General Advice Prior Works

1. The Principal Contactor (Site Owner) and Contractor is responsible for implementing the following;

© Foundation Earth Sciences

2. Refer to the Work Health and Safety Regulations 2017 and NSW Safework Code of Practice: *How to Safely Remove Asbestos* which outlines the appropriate measures for the safe removal of asbestos.
3. In accordance with this guideline asbestos should not be damaged or impacted during construction works in order to prevent release of fibers. If in the event it is damaged, then it should be sealed with a PVA based glue or other appropriate sealing agent or be removed.
4. In the event of any previously unidentified asbestos contamination being detected notification to the On Site Environmental Engineer/Hygienist will be given immediately.
5. Where there is an immediate risk to workers health and safety all works will be ceased until appropriate safety measures can be implemented.
6. Preparation of Safety Data Sheets and Asbestos register will be undertaken in order to outline specific control and PPE required will be undertaken.
7. In the event of any asbestos contamination within a specified area with the boundaries of the work site, the creation of an exclusion zone with appropriate restriction and warnings signs (in accordance with AS1319) around the impacted area shall be created so that no unauthorised persons can enter the impacted area. The exclusion area zone should be at least 5 meters (if possible) on a non-windy day around the impacted area, and extended out 10 meters on windy days (if possible). Temporary fencing or other barriers are to be used to create this designated area.
8. If more than one area is positively identified as being impacted by asbestos contaminates then an exclusion zone shall be created around each area.
9. Use wet method (e.g. mist spray watering system or hand-held watering hose) to dampen down contaminated impacted soils. It is proposed that if the area is dry it will be sprayed using water to reduce any potential dust/odour/airborne asbestos fibres being released from the exclusion zone(s).

© Foundation Earth Sciences

Site Specific Works

10. Based on site observations on the 28th September 2023 the material identified within the impacted areas of the site have been assumed to be contaminated with **NON FRIABLE ASBESTOS**.
11. Due to the sensitive nature of the area and the potential for **NON FRIABLE ASBESTOS** to be identified it is advised that a contractor with suitable experience and expertise shall move/remove the asbestos cement sheeting pieces from the impacted area. As such it is recommended that a contractor with a Non Friable Asbestos License (Class B) be engaged to move/remove any asbestos containing materials from within the site.
12. The licensed contractor with suitable experience is to prepare an Asbestos Removal Control Plan (ARCP) and Safe Works Method Statement (SWMS). This should be in accordance with NSW Safe Work Code of Practice*: How to Safely Remove Asbestos- Appendix A* and should detail Notification and removal methods. The SWMS should detail measures to protect workers and be site specific.
13. Appropriate decontamination areas have been designated for workers (see site plan) prior to exit out of contaminated exclusion Zone(s), and disposable coveralls will be disposed of into double sealed bags within the decontamination area prior to leaving the exclusion zone(s).
14. All staff working within the exclusion zone will use personal protective equipment including disposable coveralls and a suitable respirator, gloves and eyewear in accordance with relevant Australian Standards. Coveralls with Velcro seals are not suitable for asbestos work (for further detail see PPE requirements section 5 below).
15. Excavator to spread 10m^3 stockpile in a 10 x 10 grid, at 100 mm thickness using an excavator with a tooth bucket.
16. Systematic inspection of the spread area and hand picking of visible ACM fragments.
17. Excavator to rake soils in one direction.

© Foundation Earth Sciences

18. Systematic inspection of raked surface and hand picking of visible ACM fragments.
19. Excavator to rake surface soils in a direction perpendicular to the first raking direction.
20. Systematic inspection of raked surface and hand picking of visible ACM fragments.
21. ACM fragments will be disposed to a suitably licensed waste receiving facility, with a waste classification.
22. Validation of the raked area / stockpile to be undertaken by the contractor's hygienist comprising of a visual clearance inspection and validation sampling (on-site field screening through 7 mm sieve).
23. Stockpiles that fail on-site field screening (> 0.05% w/w non-friable asbestos) will require re- treatment as per above.
24. For every 10 treated stockpiles, the Contractor's hygienist will collect a sample for Asbestos Gravimetric Analysis on 24-hour turnaround time. These stockpiles should be kept separate until laboratory results are received. If no asbestos is detected, the stockpile can be combined into the B2 stockpile. If AF/FA is detected, said stockpile is to be stockpiled in the friable stockpiling area.
25. Once validated and confirmed to achieve B2 classification, B2 stockpiles can be consolidated for future reuse.
26. Contractor is to track and is responsible for placing treated materials (B2) into fill areas onsite.
27. Licensed trucks under appropriate methods of dust avoidance and covered with polyurethane plastic will transport excavated spoil material from excavation areas within the exclusion zone to a licensed landfill.
28. Inspection from a suitably qualified environmental/occupational hygienist once removal work has been completed on the reaming building and exposed ground surfaces **prior to any further works** to confirm that all asbestos materials have been moved/removed competently from the works area.

© Foundation Earth Sciences

29. A clearance certificate will then be prepared by an independent and suitably qualified environmental/ occupational hygienist detailing the remediation procedures, landfill dockets, site photographs and laboratory sample results with the above qualifications.

8.0 Remediation Works

Remediation works were carried from the 28th of September to the 5th of October 2023. The clean-up program was undertaken with due regard to the environment and statutory requirements.

Environmental Management

FES Group has been advised by Ground King Civil Pty Ltd that the appointed remediation contractor they were aware of the contamination status of the soils and the remediation methodology to be adopted.

All remediation works will be carried out with due regard to the environment and to all statutory requirements. The works shall comply with the requirements of the following Acts:

- Protection of the Environment (Operations) Act
- Clean Air Act
- Clean Waters Act
- Noise Control Act
- Construction Safety Act
- Occupational Health and Safety Act
- Occupation Health & Safety Regulations

Specifically, all site works will comply with the provisions set out in the following:

© Foundation Earth Sciences

- *The Liverpool Council Development Control Plan;*
- *Waste Classification Guidelines, Part 1: Classifying Waste"* NSW EPA (2014);
- *NSW EPA Contaminated Sites: Guidelines for the NSW Site Auditor Scheme – 2017;*
- *The Australian and New Zealand Guidelines for Assessment and Management of Contaminated Sites – Australian and New Zealand Environment and Conservation Council (ANZECC) and National Health and Medical Research Council (NHMRC) 1999 (Amended 2013); and*
- *Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2018, published by ANZECC and the Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ).*

In addition to any statutory requirements, the contractors were responsible for carrying out the remediation works with all due care to ensure that the following conditions were specifically complied with:

- Minimal wind borne dust leaves the confines of the site.
- Water containing suspended matter or contaminants do not leave the confines of the site, as this might pollute watercourses, either directly or indirectly through the stormwater drainage system.
- Vehicles to be cleaned and secured, so that mud, soil or water, is not deposited on any public roadway or adjacent areas.
- Noise levels at the site boundaries comply with the noise quality objectives of the region, and/or legislative requirements.

The following details the environmental management practices adopted at the site during the remediation works.

- All remediation works were carried out within Council approved working hours.

© Foundation Earth Sciences

- The entire site was surrounded by wire mesh security fencing and a lockable gate. Adequate signage, containing a "no unauthorised entry" statement, as well as the contractor's name and contact details, both during and after working hours, was erected at the site entrance.
- A full time site superintendent, appointed by Ground King Civil Pty Ltd, attended for the duration of the works to ensure implementation of the day-to-day works and maintenance of the environmental safeguards.
- All earthworks machinery used on the site were fitted with warning lights and reversing signals.
- It is understood that all loaded trucks were fitted with secured covers over the entire load, thereby preventing any loss of the load on public roads.
- A water hose was provided and used to aid in dust suppression.
- Construction noise was confined to the Council approved working hours. No machinery / trucks accessed the site outside these hours of operation.
- Plant and equipment was properly and regularly maintained.
- The works area will be kept in a tidy condition so that waste materials generated by the earthworks or workers on-site will be contained.

The site access was restricted to authorised personnel during the time of the remediation works. No smoking was allowed on-site. Personal Protective Equipment (PPE) used at the site included safety boots, and gloves for people in contact with the fill. Protective level 'C' clothing was enforced for personnel working at the site.

Work Health & Safety

A site specific Work Health and Safety (WH&S) Plan was developed by Bradford Investments Pty Ltd and also a general WHS plan by FES Pty Ltd in order to ensure that the remediation works are conducted in a safe manner. Personnel working on the site are required to read and understand the WH&S Plan and must be inducted

© Foundation Earth Sciences

and sign the relevant authority form provided by the Environmental Consultant. Additionally, the requirements of the Work Health and Safety Act 2011 and Work Health and Safety Regulation 2011 will be complied with.

The following measures were implemented during the remediation works to ensure the health and safety of site workers, site visitors and the general public:

- All workers involved in the remediation works were inducted by Bradford Investments Pty Ltd WH&S Representative on the WH&S requirements and in particular, the personal protective equipment required during remedial works.
- All workers actively involved in handling soils were fitted with personal protective equipment (PPE) including disposable coveralls, disposable gloves, highly visible safety vests, waterproof safety boots, safety glasses with side shields and hardhat. The coveralls, gloves and respirator filters were disposed of daily.
- Smoking (banned on site), eating or drinking on-site was only carried out in a designated lunch room. Workers were instructed to wash hands thoroughly on completion of work and before eating, drinking or any other hand-to-mouth activity.
- A water hose was provided and used to aid in dust suppression. It is understood that no dust complaints were received from neighbours during the course of the remediation and bulk earthworks.

© Foundation Earth Sciences

9.0 Stockpile Validation Works

The excavation works within the site revolved around the spreading of 10m^3 stockpiles no more than 100mm thick. The soil was inspected for ACM then stock-piled for testing. The works were carried out by Ground King Civil Pty Ltd and Omega Hazmat Services Pty Ltd from the 28th of September to the 5th of October 2023 using a 20-tonne excavator.

Stage 1 – Sept/Oct 2023

- An Excavator to spread 10m^3 stockpile in a 10 x 10 grid, at 100 mm thickness using an excavator with a tooth bucket. Some of the grid lines prepared as part of the site plan are larger than 10x10, however this was due to varying amount of soil within some of these areas. In order to control the inspection area it was identified that the impacted piles were to be measured out in a 10 x 10 area within this grid system.
- Systematic inspection of the spread area and hand picking of visible ACM fragments.
- Excavator to rake soils in one direction.
- Systematic inspection of raked surface and hand picking of visible ACM fragments.
- An inspection for ACM was then completed. Any visible ACM was collected and disposed of according to the relevant guidelines.
- Validation of the raked area / stockpile to be undertaken by the contractor's hygienist comprising of a visual clearance inspection and validation sampling (on-site field screening through 7 mm sieve).
- The soil was then stockpiled, and a soil sample was collected to determine if the stockpile was free of asbestos.
- Any stockpiles found to contain **non-friable** ACM through the NEPM testing had the process repeated until it was found to be free of asbestos.
- It is to be noted AS26 was sampled twice due to overlap in days and stockpiling additions.

© Foundation Earth Sciences

Classification and Disposal of Soil

Prior to removal of any soils from the site, it is proposed that the all soils be classified in accordance with the NSW EPA Waste Classification Guidelines Part 1.

However, No Material is proposed to be removed offsite at this stage as it is to be buried as part of the remediation.

© Foundation Earth Sciences

10.0 Stockpile Validation Results

The following summary is provided by FES Group to describe the stockpile validation works within the site.

Remediation and validation sampling of the site was carried out from 28th of September to the 5th of October 2023. Ground King Civil Pty Ltd performed the remediation works. The contractor ensured that all appropriate environmental management techniques were implemented, and all workers followed the occupational health and safety plan.

Based on the above all the results were below the relevant criteria with the exception of samples AS17 and AS5. Sample AS17 was respread and rescreened as part of the investigation. Retesting indicated that this pile was successfully remediated.

AS5 was considered friable and was removed to the friable asbestos section to be dealt in another stage.

Validation Sampling Information

Soil samples were collected from the stockpiled soils following the removal of visible ACM. These samples were collected within the excavation works being undertaken in order to characterise contamination levels at the time of inspection.

© Foundation Earth Sciences

11.0 Clearance of Removal Area and Burial

An inspection was undertaken on the 13th October 2023 in order to visually inspect the surface after the remediated soils had ben removed from the area and buried an area designated by JK Williams. The burial location of the soils can be seen in the attached plan "Containment Plan".

Based on the above assessment, asbestos was removed from the asbestos removal work areas (as described above) and now has been found to be free of visible asbestos contamination. The site can therefore be reoccupied, and redevelopment of these areas may occur.

It is recommended that any excavation be undertaken carefully, and should the discovery of any contamination be identified, works should cease immediately for further assessment. An *unexpected finds protocol has been developed* as prudent planning in case of such an event.

We would be pleased to provide further information on any aspects of this report.

For and behalf of
Foundation Earth Sciences

Ben Buckley

Ben Buckley
Director

Environmental Forensic Scientist

Asbestos Assessor Licence #-LAA001012

© Foundation Earth Sciences

12.0 Limitations of Assessment

Whilst to the best of our knowledge, information contained in this report is accurate at the date of issue, although subsurface conditions, including groundwater levels and contaminant concentrations, can change in a limited time. This should be borne in mind if the report is used after a protracted delay.

There is always some disparity in subsurface conditions across a site that cannot be fully defined by investigation. Hence it is unlikely that measurements and values obtained from sampling and testing during environmental works carried out at a site will characterise the extremes of conditions that exist within the site.

There is no investigation that is thorough enough to preclude the presence of material that presently or in the future, may be considered hazardous at the site. Since regulatory criteria are constantly changing, concentrations of contaminants presently considered low may, in the future, fall under different regulatory standards that require remediation.

Opinions are judgements, which are based on our understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

Where relevant soils that are to be excavated below the identified investigation levels (0.01m) have not being visually assessed and while it is not likely contamination will be discovered based on the site history, excavations should proceed with care below this depth and further assessment should be undertaken immediately if indicators of contamination are identified. Where asbestos removal work requires a Class A licence, a licensed asbestos assessor must carry out the clearance inspection and complete an asbestos removal clearance certificate if satisfied that the area is safe to reoccupy.

© Foundation Earth Sciences

13.0 Site photos

© Foundation Earth Sciences

Area after Removal

© Foundation Earth Sciences

*Approximate areas only (some locations may have changed due to stockpiling)

Key

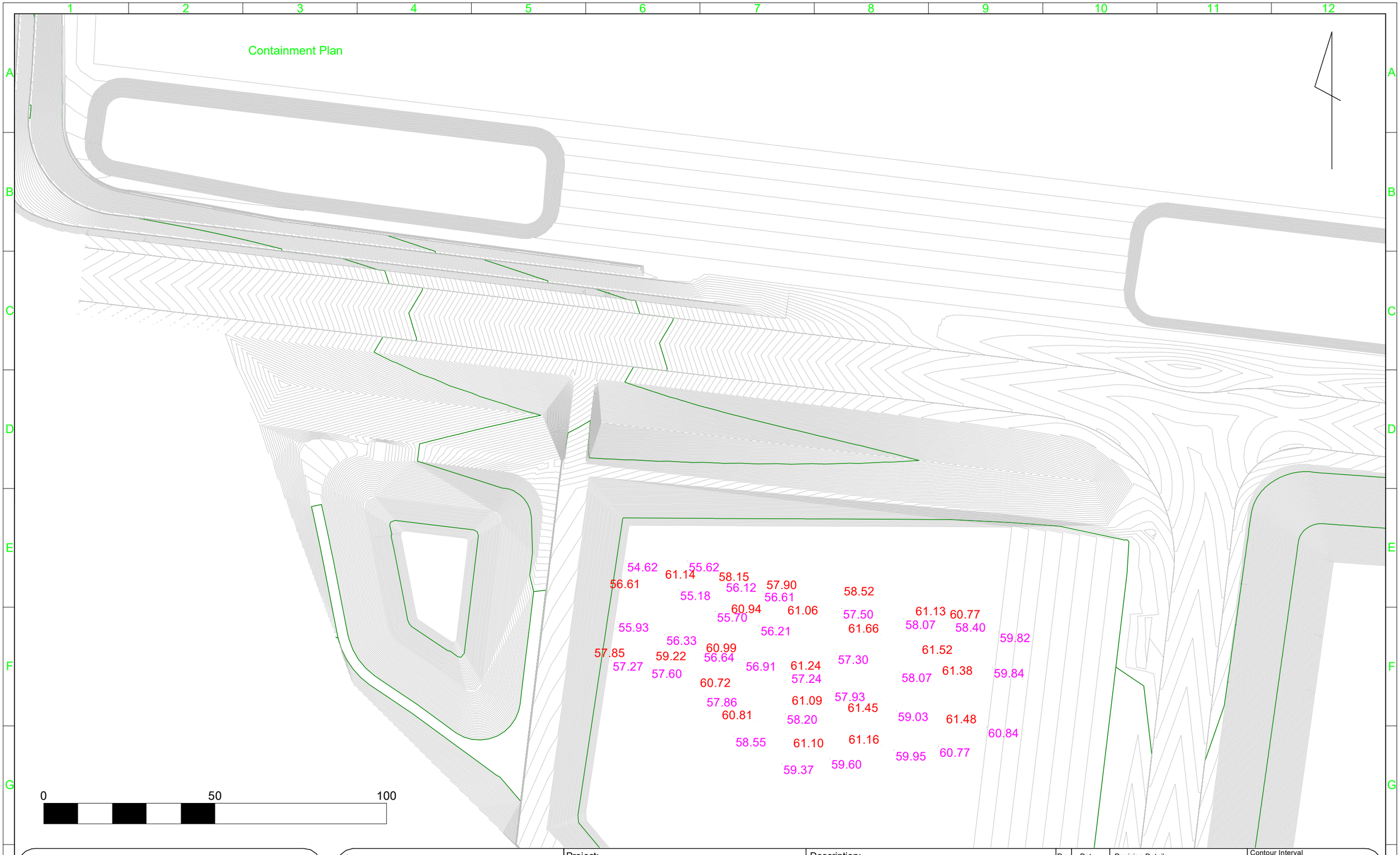
Area A Site Location

Area B Site Location

FOUNDATION EARTH SCIENCES

DRAWN: DG	**Site Features and Borehole Location Plan**
Figure: 1	Jk Williams/ Ground King Civil
Job #: E3116	Aldington Road, Kemps Creek

Containment Plan



jk Williams
39-53 Jack Willams Drive, Penrith, NSW 2750
Phone: 02 4725 3400 Email: jkw@jkw.com.au

Client:

Project:

Horizontal Datum: | Level Datum:

Surveyed: | Checked:
Drawn: | Ref No.:

Local Authority:

Description:

Purple = Strip RL

Red = Top B2 Lot 3

Rev	Date	Revision Details
A		
B		
C		
D		
E		
F		

DATE OF SURVEY:

Contour Interval
Major:
Minor:

Scale:

Sheet Size: A3

Drawing Number:

Sheet No. of Rev. A

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 334176

Client Details

Client	Foundation Earth Sciences Pty Ltd
Attention	Ben Buckley
Address	PO Box 4405, East Gosford, NSW, 2250

Sample Details

Your Reference	**E3116 Kemps Creek**
Number of Samples	18 Soil
Date samples received	28/09/2023
Date completed instructions received	28/09/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	29/09/2023
Date of Issue	29/09/2023

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Nyovan Moonean, Stuart Chen
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Lucy Zhu, Asbestos Supervisor

Authorised By
Nancy Zhang, Laboratory Manager

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334176-1	334176-2	334176-3	334176-4	334176-5
Your Reference	UNITS	AS1	AS2	AS3	AS4	AS5
Date Sampled		28/09/2023	28/09/2023	28/09/2023	28/09/2023	28/09/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	29/09/2023	29/09/2023	29/09/2023	29/09/2023	29/09/2023
Sample mass tested	g	597.67	455.27	560.12	604.31	476.28
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	Amosite
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	0.0008
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334176-6	334176-7	334176-8	334176-9	334176-10
Your Reference	UNITS	AS6	AS7	AS8	AS9	AS10
Date Sampled		28/09/2023	28/09/2023	28/09/2023	28/09/2023	28/09/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	29/09/2023	29/09/2023	29/09/2023	29/09/2023	29/09/2023
Sample mass tested	g	610.36	625.05	673.86	549.68	595.25
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334176-11	334176-12	334176-13	334176-14	334176-15
Your Reference	UNITS	AS11	AS12	AS13	AS14	AS15
Date Sampled		28/09/2023	28/09/2023	28/09/2023	28/09/2023	28/09/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	29/09/2023	29/09/2023	29/09/2023	29/09/2023	29/09/2023
Sample mass tested	g	674.39	541.13	463.33	686.58	534.58
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001				
Our Reference		334176-16	334176-17	334176-18
Your Reference	UNITS	AS16	AS17	AS18
Date Sampled		28/09/2023	28/09/2023	28/09/2023
Type of sample		Soil	Soil	Soil
Date analysed	-	29/09/2023	29/09/2023	29/09/2023
Sample mass tested	g	513.75	658.24	664.33
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	Chrysotile asbestos detected Amosite asbestos detected Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	1.4837	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	See Above	No visible asbestos detected
ACM >7mm Estimation*	g	–	0.9766	–
FA and AF Estimation*	g	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	0.1484	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. **NOTE** #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) **NOTE** #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Report Comments

Asbestos-ID in soil: NEPM
This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

Factual description of asbestos identified in the soil samples: NEPM
Sample 334176-5; Amosite asbestos identified in 0.0008g of loose fibre bundles
Sample 334176-17; Chrysotile & Amosite asbestos identified in 6.5108g of fibre cement material >7mm

Anna Bui

From: Ben Buckley <ben@foundationes.com.au>
Sent: Thursday, 28 September 2023 11:48 AM
To: Aileen Hie; Customer Service
Subject: Coc for samples

Follow Up Flag: Follow up
Flag Status: Flagged

CAUTION: This email originated from outside of the organisation. Do not act on instructions, click links or open attachments unless you recognise the sender and know the content is authentic and safe.

Hi

Can i please test the following samples for asbestos %w/w

AS1-AS18 #1-18

Sampled 28/9/23
Jobe number - E3116 kemps creek
Need fast 1 day tat

Cheers

Ben Buckley
Foundation Earth Sciences

0466385221

ENVIROLAB GROUP
Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 334176
Date Received: 28/9/23
Time Received: 1145
Received By: DL
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 334466

Client Details

Client	Foundation Earth Sciences Pty Ltd
Attention	Ben Buckley
Address	PO Box 4405, East Gosford, NSW, 2250

Sample Details

Your Reference	**E3116 Kemps Creek**
Number of Samples	9 Soil
Date samples received	03/10/2023
Date completed instructions received	03/10/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	04/10/2023
Date of Issue	04/10/2023

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Nyovan Moonean
Authorised by Asbestos Approved Signatory: Nyovan Moonean
Results Approved By
Nyovan Moonean, Asbestos Approved Identifier/Counter

Authorised By
Nancy Zhang, Laboratory Manager

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334466-1	334466-2	334466-3	334466-4	334466-5
Your Reference	UNITS	AS17/2	AS19	AS20	AS21	AS22
Date Sampled		03/10/2023	03/10/2023	03/10/2023	03/10/2023	03/10/2023
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/10/2023	04/10/2023	04/10/2023	04/10/2023	04/10/2023
Sample mass tested	g	751.55	707.3	866.4	692.55	800.96
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001					
Our Reference		334466-6	334466-7	334466-8	334466-9
Your Reference	UNITS	AS23	AS24	AS25	AS26
Date Sampled		03/10/2023	03/10/2023	03/10/2023	03/10/2023
Type of sample		Soil	Soil	Soil	Soil
Date analysed	-	04/10/2023	04/10/2023	04/10/2023	04/10/2023
Sample mass tested	g	479.17	572.58	400.43	677.94
Sample Description	-	Brown clayey soil & rocks	Brown clayey soil & rocks	Brown clayey soil & rocks	Brown clayey soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–
FA and AF Estimation*	g	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. **NOTE** #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) **NOTE** #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Report Comments

Asbestos-ID in soil: NEPM
This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

COC 3/10 17:25

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 334466
Date Received: 3/10/23
Time Received: 1725
Received By: R
Temp: Cool/Ambient 21C
Cooling: Ice/Icepack
Security: Intact/Broken/None

FOUNDATION EARTH SCIENCES

Chain of Custody Record

Client Details:	Foundation Earth Sciences PO Box 4405, East Gosford NSW 2250 email: ben@foundationes.com.au michael@foundationes.com.au; d.gibbs@foundationes.com.au ph: +61466 385 221	Project Manager: Ben Buckley Sampled By: BB Purchase Order #: N/A Page #: 1	Project #: E3116 Project Name: Kemps Creek Quote #: Turnaround: 1 day
Delivery Details:	Envirolab Pty Ltd - Sydney Office 12 Ashley Street, Chatswood NSW 2067 email: ahie@envirolab.com.au ph: +612 9910 6200		

#	Sample ID	Depth	Date Sampled	Matrix	Analytes														Sample Comments
					ph	CEC	%CLAY	Heavy Metals	TRH	BTEXN	PAH	OCP	PCB	Asbestos I.D	Asbestos %w/w (NEPM /WA)	C6-C10 & BTEXN	OPP	Suites	
1	AS17/2	-	03/10/23	Soil											x				Keep
2	AS19	-	03/10/23	Soil											x				Keep
3	AS20	-	03/10/23	Soil											x				Keep
4	AS21	-	03/10/23	Soil											x				Keep
5	AS22	-	03/10/23	Soil											x				Keep
6	AS23	-	03/10/23	Soil											x				Keep
7	AS24	-	03/10/23	Soil											x				Keep
8	AS25	-	03/10/23	Soil											x				Keep
9	4526	Extra	R																
10																			

Special Directions and Coments:

Relinquished by	Ben Buckley	Received By	ELS
Signature	BB	Signature	Ping
Date	03/10/23	Date	3/10/23

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 334790

Client Details

Client	Foundation Earth Sciences Pty Ltd
Attention	Ben Buckley
Address	PO Box 4405, East Gosford, NSW, 2250

Sample Details

Your Reference	**E3116**
Number of Samples	14 Soil
Date samples received	05/10/2023
Date completed instructions received	05/10/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	09/10/2023
Date of Issue	09/10/2023

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By
Analysed by Asbestos Approved Analyst: Nyovan Moonean, Stuart Chen
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Lucy Zhu, Asbestos Supervisor

Authorised By
Nancy Zhang, Laboratory Manager

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334790-1	334790-2	334790-3	334790-4	334790-5
Your Reference	UNITS	AS27	AS28	AS29	AS30	AS31
Type of sample		Soil	Soil	Soil	Soil	Soil
Date Sampled		04/10/2023	04/10/2023	04/10/2023	04/10/2023	04/10/2023
Date analysed	-	09/10/2023	09/10/2023	09/10/2023	09/10/2023	09/10/2023
Sample mass tested	g	718.39	688.35	907.95	701.85	727.69
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001						
Our Reference		334790-6	334790-7	334790-8	334790-9	334790-10
Your Reference	UNITS	AS32	AS33	AS34	AS35	AS36
Type of sample		Soil	Soil	Soil	Soil	Soil
Date Sampled		04/10/2023	04/10/2023	04/10/2023	04/10/2023	04/10/2023
Date analysed	-	09/10/2023	09/10/2023	09/10/2023	09/10/2023	09/10/2023
Sample mass tested	g	801.04	762.24	743.43	544.53	583.02
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–	–
FA and AF Estimation*	g	–	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001	<0.001

Asbestos ID - soils NEPM - ASB-001					
Our Reference		334790-11	334790-12	334790-13	334790-14
Your Reference	UNITS	AS37	AS38	AS39	AS26
Type of sample		Soil	Soil	Soil	Soil
Date Sampled		04/10/2023	04/10/2023	04/10/2023	04/10/2023
Date analysed	-	09/10/2023	09/10/2023	09/10/2023	09/10/2023
Sample mass tested	g	811.86	600.6	751.19	705.71
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–	–	–
FA and AF Estimation*	g	–	–	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001	<0.001

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. **NOTE** #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) **NOTE** #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Report Comments

Asbestos-ID in soil: NEPM
This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

COC: 4/10/23 1650

FOUNDATION EARTH SCIENCES

Chain of Custody Record

Client Details:	Foundation Earth Sciences PO Box 4405, East Gosford NSW 2250 email: ben@foundationes.com.au michael@foundationes.com.au; d.glbbs@foundationes.com.au ph: +61466 385 221	**Project Manager:**	Ben Buckley	**Project #:** E3116	
		Sampled By:	BB	**Project Name:** Kemps Creek	
Delivery Details:	Envirolab Pty Ltd - Sydney Office 12 Ashley Street, Chatswood NSW 2067 email: ahle@envirolab.com.au ph: +612 9910 6200	**Purchase Order #:**	N/A	**Quote #:**	
		Page #:	1	**Turnaround:** 1 day	

#	Sample ID	Depth	Date Sampled	Matrix	Analytes														Sample Comments
					ph	CEC	%CLAY	Heavy Metals	TRH	BTEXN	PAH	OCP	PCB	Asbestos I.D	Asbestos %w/w (NEPM /WA)	C6-C10 & BTEXN	OPP	Suites	
1	AS27	-	04/10/23	Soil											x				Keep
2	AS28	-	04/10/23	Soil											x				Keep
3	AS29	-	04/10/23	Soil											x				Keep
4	AS30	-	04/10/23	Soil											x				Keep
5	AS31	-	04/10/23	Soil											x				Keep
6	AS32	-	04/10/23	Soil											x				Keep
7	AS33	-	04/10/23	Soil											x				Keep
8	AS34	-	04/10/23	Soil											x				Keep
9	AS35	-	04/10/23	Soil											x				Keep
10	AS36	-	04/10/23	Soil											x				Keep
11	AS37	-	04/10/23	Soil											x				Keep
12	AS38	-	04/10/23	Soil											x				Keep
13	AS39	-	04/10/23	Soil											x				Keep
14	AS26																		

Special Directions and Coments:

Relinquished by	Ben Buckley	Received By	Stephanie
Signature	BB	Signature	
Date	04/10/23	Date	05/10/23

ENVIROLAB GROUP

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 334790

Date Received: 05/10/23
Time Received: 1800
Received By: Stephanie
Temp: Cool/Ambient
Cooling: Ice/Icepack 5°C
Security: Intact/Broken/None