

3rd November 2023

Rev 1

Ground King Civil Pty Ltd
1/15-17 Hallstrom Pl,
Wetherill Park NSW 2164

Dear Sir/ Madam

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).

1.0 Site Identification and Location

Site Identifier	Site Details
Site Location	290-380 Aldington Rd & 59-63 Abbots Rd, Kemps Creek NSW 2178
Local Government Area (LGA)	Penrith
Current Site Use/Status	Vacant/ Construction Zone
Surrounding Land Uses	Residential/ Rural Residential
Previous Land Use	Residential/ Rural Residential

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

2.0 Site Review

Removal Work	
Date Removal Work Undertaken	Prior to the 01/11/2023
Asbestos Removal Contractor and License Number	Penny Green Pty Ltd Licence # AD212030
Contact Details	Canley Vale, NSW 2166 Phone – 0449069330 Fax – N/A
Details of specific asbestos removal work areas.	<p>Asbestos was removed from the following areas:</p> <ul style="list-style-type: none"> - Stockpiled soils across the dedicated asbestos removal zone as per site plan. - Soil surface of the dedicated asbestos removal zone to a depth of 0.01m bgl. <p>No other areas were undertaken for asbestos removal however, asbestos may be present in these areas.</p>
Notification and Plan Review	
Has the Asbestos Removal Control form been reviewed?	Yes
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?	Yes
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	24/10/2023, 25/10/2023, 26/10/2023, 27/10/2023, 30/10/2023, & 1/11/2023.
Inspected By	Ben Buckley #-LAA001012 Daniel Gibbs #CPCCBC5014A
Inspection Method	Visual + Sampling
Inspection Depth	Visual Inspection of the above listed removal areas and the transit route and waste routes.
Sampling	Sampling was undertaken on the soil surfaces of the asbestos removal zone, transit/ waste routes, and the machinery cleaning zone. 15 samples were collected and labelled FS1-FS9 & FS11-FS16. Sample Location FS6 failed the original testing and was further remediated.

	Additional sampling of location FS6 was taken after FS6 soils were removed.
Air Monitoring Required? (if yes go to next sections)	Yes
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).	Yes
Has the air monitoring sample been analysed by a NATA accredited laboratory? (Attach report if available)	Yes, laboratory results attached.
Can the Area be reoccupied?	Yes

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. The asbestos soils (friable) were moved in accordance with the provided RAP and were buried in a prepared Burial cell.

It is recommended that any works 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
Director

Environmental Forensic Scientist
Asbestos Assessor Licence #-LAA001012

3.0 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. This clearance does not include the interior/underlying soils of any stockpiles within the site.

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.

Site Photos

25/10/2023



27/10/2023

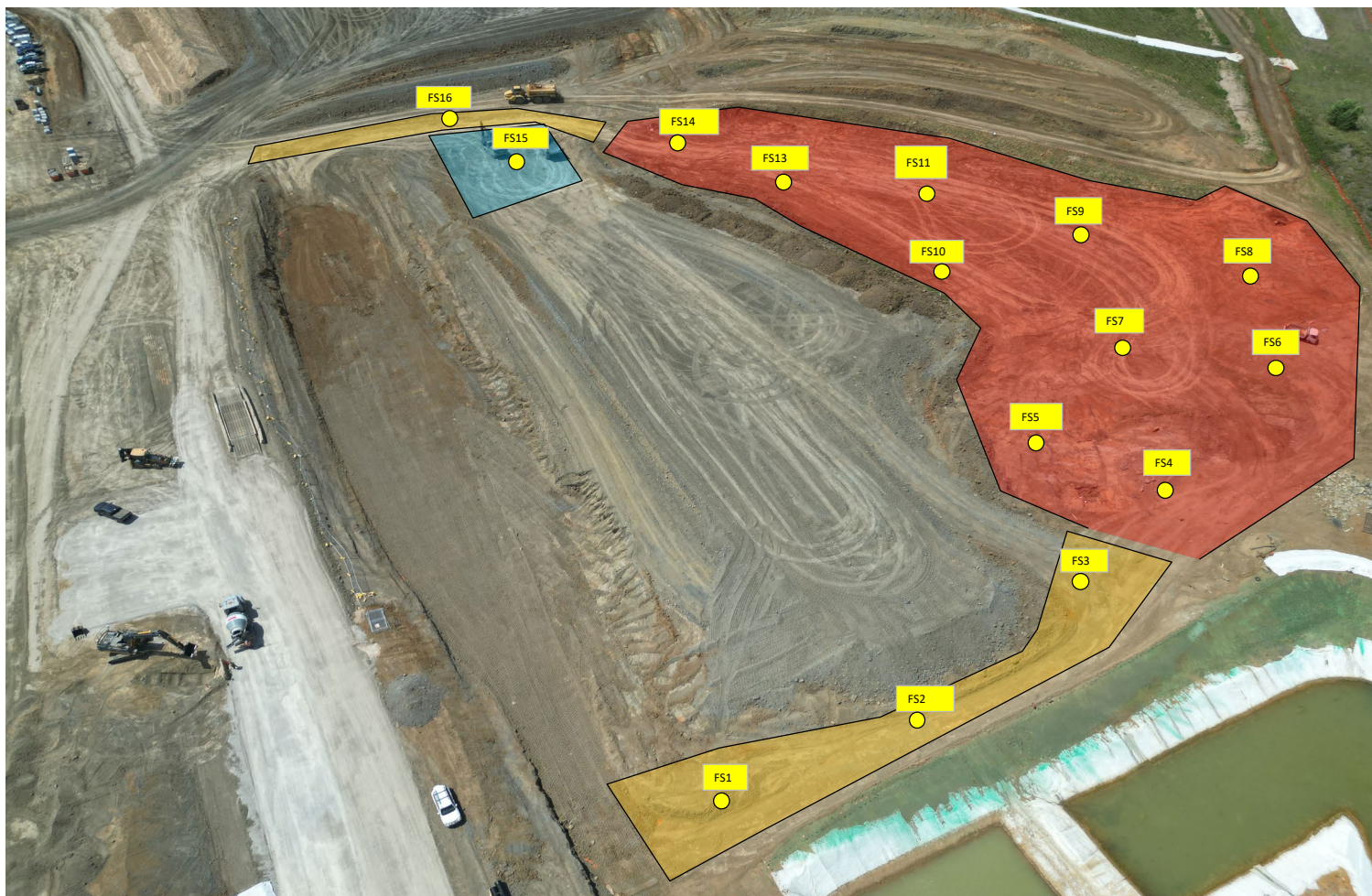



30/10/2023



30/10/2023





Key Site Boundary & Location Testing Locations Asbestos Removal Zone Waste and Transit Routes Machinery Cleaning Zone		DRAWN DG	Site Plan
		Figure 1	Asbestos Clearance Certificate
		Job # E3116-2	290-380 Aldington Rd & 59-63 Abbots Rd, Kemps Creek NSW 2178

CERTIFICATE OF ANALYSIS 336977

Client Details

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

Sample Details

Your Reference	<u>E3116-2 Kemps Creek</u>
Number of Samples	1 Soil
Date samples received	03/11/2023
Date completed instructions received	03/11/2023

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	06/11/2023
Date of Issue	06/11/2023
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: Lucy Zhu

Results Approved By

Lucy Zhu, Asbestos Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

Asbestos ID - soils NEPM - ASB-001		
Our Reference		336977-1
Your Reference	UNITS	FS6a
Type of sample		Soil
Date analysed	-	06/11/2023
Sample mass tested	g	518.09
Sample Description	-	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
Trace Analysis	-	No asbestos detected
Total Asbestos ^{#1}	g/kg	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected
ACM >7mm Estimation*	g	—
FA and AF Estimation*	g	—
ACM >7mm Estimation*	%(w/w)	<0.01
FA and AF Estimation*#2	%(w/w)	<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	<p>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.</p> <p>Results reported denoted with * are outside our scope of NATA accreditation.</p> <p>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)</p> <p>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.</p> <p>Estimation = Estimated asbestos weight</p> <p>Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.</p>

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.