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FAO Simon Smith

Environmental Health Officer

Hinckley & Bosworth Borough Council

Hinckley Hub

Rugby Road

Hinckley, Leicester

LE10 0FR

22 March 2022

**PROJECT DESFORD, LEICESTERSHIRE – RECENTLY ENCOUNTERED ASBESTOS CEMENT
UNDER SLAB DURING DEMOLITION- PLANNING REFERENCE: 20/00619/FUL**

Dear Simon,

Tier Environmental have produced this letter in order to notify the Council (in accordance with Condition 13a of Planning Permission 20/00619/FUL, a resubmission of 20/01009/FUL) of a potential unexpected contamination source (asbestos cement) that has been identified on the above Site.

It is the intention of this letter to provide sufficient information to satisfy Condition 13a in accordance with Section 6.4 of the Tier Environmental Remediation Strategy (Ref: TE1270RS1.1, dated April 2021) in relation to possible asbestos containing materials (ACMs) identified by contractors on Site under the footprint of a now demolished building as shown on the drawing overleaf.

Tier Environmental inspected and sampled the suspected ACMs in addition to soils within the impacted areas on 7th March 2022 to determine if these materials were in fact asbestos containing.

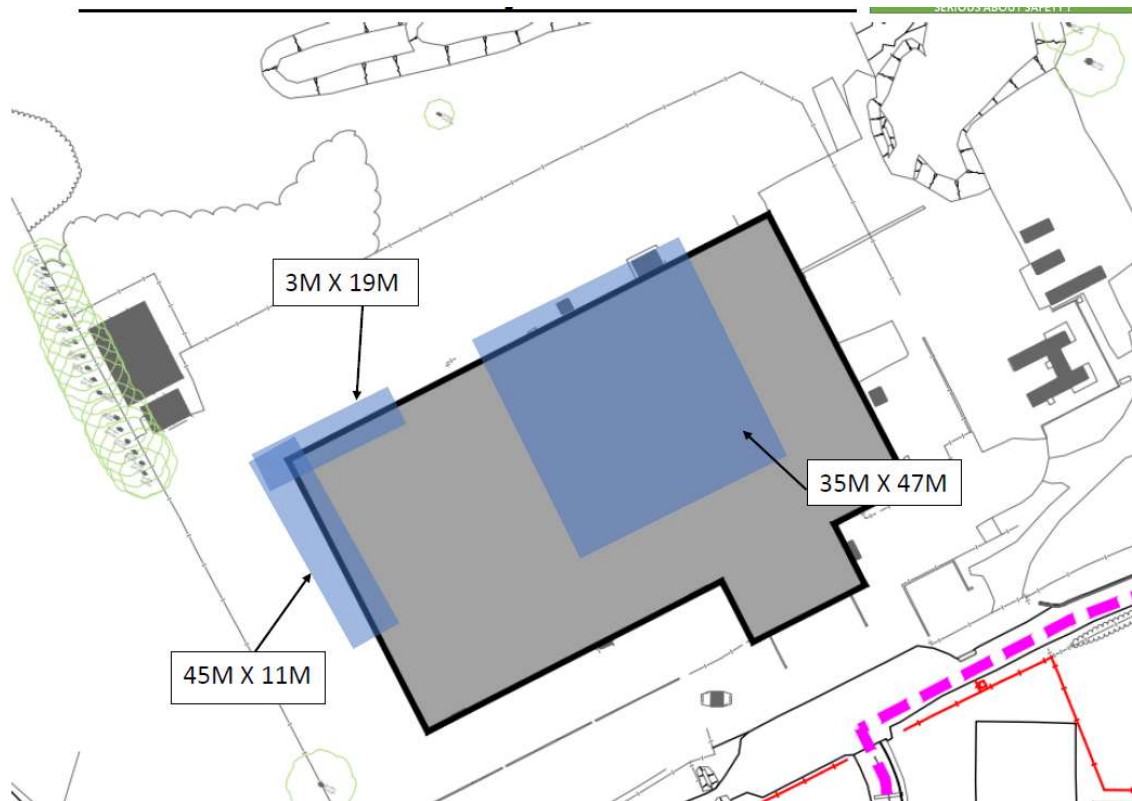
Results are tabulated below:

Table 1 – Asbestos sampling results

Sample	Asbestos Type	Quantification
B1-S1	None detected	NA
B1-S2	Asbestos Cement – Chrysotile	50.208%
B1-S4	Asbestos Cement – Chrysotile	17.746%

Results confirmed the presence of ACMs in the form of chrysotile asbestos cement. A representative sample of the soils from the impacted area was returned negative for asbestos, indicating an absence of low level asbestos in the form of loose fibres/fibre bundles. Initial observations have not suggested the presence of either any bonding to the slab or presence within the soil matrix.

Figure 1 – Approximate Locations of ACMs under building footprint



Proposed Additional Works Remediation Strategy

It is considered that the identification of ACMs represents a potential source of contamination at the Site.

Anticipated remediation works

Tier Environmental considers that a combined remedial approach will be required to address the following potential contaminants of concern. The principals below are considered consistent with those already contained within the Remediation Strategy for an impacted area SW of the zone covered in this letter.

- The treating (of ACM impacted soils) by means of handpicking, disposal off-site of hand-picked ACMs, and re-use or in situ retention of residual low-level asbestos fibre impacted

soils beneath areas of hardstanding / buildings the site with suitable verification tests as required.

- Re-use or retention of low-level asbestos impacted soils beneath a proposed building or hardstanding or incorporation of a localised 600mm clean cover system in the event that proposed development layout plans change is to be retained beneath a proposed soft landscaping area;

The following remediation strategy has been devised in order to make the Site safe and suitable for redevelopment in the vicinity of the ACMs:

- A visual inspection of the soil will be undertaken by an asbestos removal specialist within this area and soils treated by means of hand picking ACMs, until no visual evidence of ACMs remain.
- To address the anticipated residual low-level asbestos impacted soils, samples will be taken from the surface following hand picking on a 5m grid. Sample collection will be made by the use of an excavator bucket to ‘scrape’ the sample locations. Samples will be obtained in a ‘W’ shape pattern to provide confidence in the verification of the area;
- Samples will be submitted for laboratory analysis for asbestos screening to determine extent of low-level asbestos;
- The Control of Asbestos Regulations 2012 should be adhered to throughout.
- Low-level asbestos containing soils can remain in situ below the building footprint/hardstanding.
- If proposed plans change and low-level asbestos impacted soils are within an area of soft landscaping this will trigger a clean cover system. If tests are returned as negative for the presence of asbestos then no clean cover will be required.

The above integrated strategy is designed to;

- Mitigate risks to human health via dust inhalation pathways;
- Provide flexibility in the event that further localised unexpected contamination is identified around or beneath slab;

Independent Verification and Supervision of the Works

In order to ensure verification of the removal of contaminated soils, if encountered, works will be carried out as follows:

- A visual inspection of the soil will be undertaken by an asbestos removal specialist within this area and soils treated by means of hand picking ACMs, until no visual evidence of ACMs remain.
- To address the anticipated residual low-level asbestos impacted soils, samples will be taken from the surface following hand picking on a 5m grid. Sample collection will be made by the

use of an excavator bucket to ‘scrape’ the sample locations. Samples will be obtained in a ‘W’ shape pattern to provide confidence in the verification of the area;

- If, in the experience of the competent Site Engineer, it is thought that the sample is likely to be below remedial targets, the sample will be submitted for laboratory analysis;
- Should the results of laboratory analysis be greater than the remedial targets, then further assessment and/or potential remediation of the contamination will be necessary.

Verification Report

The SE should ensure that the requirements of the above ACM removal strategy are complied with. On satisfactory completion of all remedial works, a verification report should be produced. This report will comprise all relevant site records and act as certification that the remedial preparation works have been carried out in accordance with this remediation strategy.

The Verification Report shall include the following:

- A description of the works undertaken in accordance with the Remediation Strategy described above;
- Records of the works;
- Progress photographs;
- Waste Transfer Notes;
- Chemical verification test results.

It is sincerely hoped that the above is considered sufficient in line with the requirements stipulated in Condition 13a; however, it would be appreciated if this would be confirmed by return.

For and on behalf of

TIER ENVIRONMENTAL LTD

A handwritten signature in dark ink, appearing to read 'SM', with a stylized flourish at the end.

Stuart Milne MSc BSc

Senior Geoenvironmental Engineer

Tier Environmental Ltd

Enc:

Drawings

Photos



Appendix A – Drawings

Asbestos Under slab – Project Desford 14-03-22





Appendix B - Photographs

Photo 1 – Impacted Area looking north



Photo 2 – ACMs

