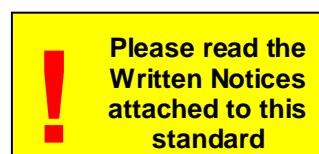


Category 1 Standard

S1130 Control of Asbestos in London Underground Premises



Issue No.: A2

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1 Purpose

1.1 The purpose of this Standard is:

- to ensure the risks associated with asbestos containing materials (ACMs) are managed safely in compliance with current legislation, approved codes of practice (ACoP) and LU policies.
- to allocate the role of the duty holder as defined by the current asbestos regulations.

Note: The HSE have identified the exposure to asbestos fibres as the largest industrial killer in the UK. It is therefore imperative that procedures are followed closely to prevent exposure to asbestos fibres.

2 Scope

2.1 This Standard applies to all work within LU owned, managed or occupied premises and mobile units.

2.2 This Standard applies to all organisations and individuals in occupation of, control of, or concerned with the management of LU premises and rolling stock or access thereto.

3 Requirements

3.1 General requirements

3.1.1 The risks associated with asbestos shall be managed in accordance with the Control of Asbestos Regulations 2006 (CAR 2006), the Approved Codes of Practice (ACoP) associated with the management of asbestos as issued by HSE (see 6.1.4 *Industry Codes of Practice* below) and the requirements set out in this Standard.

3.1.2 Except as defined by Clause 3.1.5 of this standard, all work that is to meet the requirements of this Standard and to fulfil the obligations of duty holder as defined by Regulation 4 of CAR 2006 shall be carried out by nominated suppliers.

3.1.3 The nominated suppliers shall be:

- a) The company (Tubelines Ltd (TLL)) or LU Directorate (either Capital Programmes Directorate (CPD) or Asset Performance Directorate (APD)) responsible for work on the London Underground network or where London Underground have an obligation to maintain as part of a contract with a third party or a lease agreement, currently Tubelines Ltd (TLL) LU's Asset Performance Directorate (APD) or Capital Programmes Directorate (CPD).
- b) The PFI companies for all premises or parts thereof for which they have a repairing responsibility under the PFI contract.
- c) Transport for London Group Property & Facilities (TfL GP&F) for those premises and parts thereof managed by TfL GP&F.
- d) TfL GP&F for tenanted properties on the Underground network. (See clause 3.1.5 below).

3.1.4 For tenanted properties within the Underground Network, the asbestos registers shall be produced by TfL's Group Property and Facilities or the tenant, who shall provide a copy of his asbestos register to TfL GP&F who shall coordinate the asbestos information in accordance with Clause 3.4 below.



Note: Management surveys should cover routine and simple maintenance work. However it has to be recognised that where more extensive maintenance or repair work is involved there may not be sufficient information in the management survey and a localised refurbishment/demolition survey will be needed.

A refurbishment/demolition survey shall be required for all work which disturbs the fabric of the building in areas where the management survey has not been intrusive. The decision on the need for a refurbishment/demolition survey should be made by the duty holder (probably with the assistance of expert advice).

3.1.5 Where project or maintenance work is located in Network Rail owned premises then the Project manager should obtain a copy of the Network Rail asbestos register for those particular premises.

3.2 Air Testing for Fibres

3.2.1 After consultation with LU's HSQE, the nominated supplier may require an air test to be carried out if deemed necessary following a risk assessment.

3.2.2 The nominated supplier shall, at the earliest opportunity, inform in writing LU's Principal Premises Engineer and LU's Head of Occupational Health of any change occurs that is likely to adversely affect the levels exposure to any person on the LU Network.

3.2.3 Should it be deemed necessary to carry out air testing in public areas during traffic hours, then a statement of the purpose of the testing should be passed to the TfL Press Office prior to, or as soon as possible after, deployment of the testing apparatus.

3.3 Competence and Training

3.3.1 Anybody who as a result of their work is at risk of disturbing respirable asbestos fibres must have undergone suitable Asbestos Awareness Training as defined by Regulation 10 of the Control of Asbestos Regulations 2006. This includes all engineers, surveyors, project managers, maintenance staff and contractors together with certain other staff who as part of their normal duties inspect areas that are not normally accessed by others. Please note this requirement does not apply to station staff or train crew as their activities do not disturb asbestos as part of their duties.

3.3.2 For the day-to-day management of asbestos, the nominated supplier shall at the earliest opportunity notify LU's Principal Premises Engineer the name and qualifications of the senior manager responsible for the management of ACMs within their organisation and shall provide that information as and when that manager changes.

3.3.3 Asbestos surveyors shall hold a P402 Proficiency Certificate in Building Surveys and Bulk Sampling as issued by The British Occupational Hygiene Society and the asbestos survey shall be conducted in accordance HSG 264 *Asbestos: The survey guide*.

Note: As well as laying down a set of procedures for the surveyor to conduct an asbestos survey, HSG 264 *Asbestos: the survey guide* also gives advice for non-asbestos professionals for planning and procuring the asbestos survey.

HSG 264 is freely available from the HSE website at:
<http://www.hse.gov.uk/pubns/books/hsg264.htm>

3.4 Asbestos Registers

- 3.4.1 Each nominated supplier shall maintain an Asbestos Register in accordance with Regulation 4 of the Control of Asbestos Regulations 2006. Ideally this register shall be available in electronic format on .pdf files, one file per premises (station/depot/track section/retail unit, etc.) comprising the asbestos survey(s) as defined by HSG 264 *Asbestos: The survey guide* together with a summary sheet showing where the asbestos is located and notes on its condition (see Appendix A for an example of good practice for an asbestos survey summary sheet) Where this information is not available in this format, the Nominated supplier shall work towards achieving this over a period of time.
- 3.4.2 A copy of the nominated suppliers' asbestos register shall be passed to the Principal Premises Engineer every 12 months, or at the end of a project, for inclusion in the LU Asbestos Register by the person appointed to do so by the Principle Premises Engineer (currently the Asbestos Registrar).
- 3.4.3 The LU Asbestos Register shall be available at all Station Supervisors' and Duty Depot Managers' computer stations. It is the repository of asbestos information for all premises in LU's demise and shall be available free of charge to any person who intends to carry out intrusive works, or the Fire Brigade.
- 3.4.4 The asbestos survey reports shall identify:
- the Station Area Identification Code (SID) for rooms and tenancies within stations
 - the LCS code and chainage for track areas and
 - for all other buildings, the LCS code and the room or area identifier.
 - asbestos information relating to rolling stock shall be organised using the stock identifier as the primary unit.
- 3.4.5 Where possible the survey report shall show photographs of the ACMs (or suspected ACMs) for ease of identification.
- 3.4.6 The findings in the asbestos survey shall determine whether the asbestos works shall be notifiable under the Control of Asbestos Regulations 2006. Only an accredited and competent person shall determine whether the work shall be notifiable.

3.5 Procedures for safety

- 3.5.1 The nominated supplier shall prepare in writing and operate procedures to prevent the commencement of work that may involve disturbance of the fabric of any part of the premises until measures to control the risk from asbestos contamination that may be present have been implemented.
- 3.5.2 The nominated supplier shall prepare in writing and operate procedures to protect the health of the occupants of parts of premises in the vicinity of work to survey, sample, repair or remove ACMs and:
- Those procedures shall be prepared in consultation with the local manager of the premises and;
 - A copy of those procedures shall be provided to the local manager of the premises by the nominated supplier at the earliest opportunity and always in advance of any such work commencing.

- 3.5.3 Upon completion of the works, the nominated supplier or PM shall notify, in writing and at the earliest opportunity, the local manager that it is safe to re-enter the area. If a Certificate of Reoccupation is required then a copy of this should be passed to the local manager and the ACU or HMU.

3.6 Emergency Procedures

- 3.6.1 Any unplanned disturbance of asbestos shall be covered by the nominated suppliers written procedures as defined in 3.5.1 above. These procedures shall include the requirement to report the incident to the Fault Report Centre (FRC) who shall call out licensed professionals to deal with the incident and make safe.
- 3.6.2 Any unplanned disturbance of ACMs or any uncontrolled release of asbestos fibres shall be dealt with in accordance with the LU Cat 1 Standard 1-556 *Incident Reporting and Investigation*. The results of such investigation shall be used to establish if any improvements should be made to procedures to prevent reoccurrence and if so the procedures shall be amended and a copy of the changed procedures provided to LU.

4 Responsibilities

- 4.1.1 The nominated supplier shall assume the role of duty holder as defined under Regulation 4 (1) of the Control of Asbestos Regulations 2006.
- 4.1.2 The nominated supplier shall prepare a written asbestos plan for the management of asbestos within their demised areas.
- 4.1.3 The nominated supplier shall inform the LU Asbestos Control Unit (ACU) or TLL Hazardous Materials Unit (HMU) during the planning stage of their intention to carry out work together with the location(s) of that work. These records shall be used to formulate the asbestos plan for that project.
- 4.1.4 Station Supervisor (or DDM when in a depot) shall give free access to the LU Asbestos Register via his computer station should an engineer, surveyor, project manager, contractor or a member of the Fire Brigade request sight of it.

5 Supporting information

5.1 Background

- 5.1.1 Regulation 4 (2) of the Control of Asbestos Regulations requires all persons to cooperate with the duty holder's asbestos management plan. In terms of working within LU's demise, all staff and contractors are legally obliged to follow the LU Procedures for managing asbestos when on LU's land or property.
- 5.1.2 The procedures for managing asbestos within the operational railway are P335.A3 *Management of Asbestos and other Hazardous Materials* on the Jubilee, Northern and Piccadilly Lines or PR-10026 A3 *Control of Asbestos* (which is currently being revised) for all other LU lines.

5.2 Safety considerations

- 5.2.1 Nominated suppliers shall prepare a written procedure to protect the health of people in the event of an accident, incident or emergency occurring in premises containing ACMs for which they are responsible. These procedures shall be prepared in consultation with LU and the emergency services.

5.3 Environmental considerations

- 5.3.1 Any waste that contains, or is suspected to contain asbestos is classed as hazardous waste.



- 5.3.2 It is the duty holder's responsibility to ensure the consignment notes are duly filled in and passed to the licensed carrier in accordance with Regulations 33-38 of the Hazardous Waste (England and Wales) Regulations 2005 and shall ensure copies are retained within the Health and Safety File, together with details of the revisions to the asbestos register.

6 References

6.1 References

6.1.1 Statutory documents

Document no.	Title
2006 No. 2739	The Control of Asbestos Regulations 2006
2005 No. 894	Hazardous Waste (England and Wales) Regulations 2005

6.1.2 British Standards

Document no.	Title
N/A	

6.1.3 Other national standards

Document no.	Title
N/A	

6.1.4 Industry codes of practice

Document no.	Title
HSG 210	Asbestos Essentials published by the HSE
HSG 247	Asbestos: the licensed contractors' guide published by the HSE
HSG 264	Asbestos: The Survey Guide published by the HSE
L127	The management of asbestos in non-domestic premises published by HSE

6.1.5 LU company documents

Document no.	Title
Pr -10026 – A3	Control of Asbestos Published by LU (currently under review)

6.1.6 Other

Document no.	Title
P 334.A5	Management of Asbestos and other Hazardous Materials Published by Tubelines Ltd,

6.2 Abbreviations

The following abbreviations are created:

- a) within London Underground's Glossary of Terms (1-622) (a Category 1 Standard);
- b) from published sources that are clearly identified.

Abbreviation	Definition	Source
ACM	Asbestos containing material	b
CAR 2006	Control of Asbestos Regulations 2006	b
ACoP	Approved codes of practice as published by HSE	b
APD	London Underground's Asset Performance Directorate	a
CPD	London Underground's Capital Programmes Directorate	a
PFI	Private Finance Initiative	b
GP&F	Transport for London's Group Property and Facilities	a
HSE	Health & Safety Executive	b
HSG	Health and Safety Guidance published by HSE	b
SQE	LU's Safety, Quality and Environment Directorate	a
SID	Station Identification Number	a
LCS	Location Coding system	a
DTM	Duty Trains Manager	a
FRC	Fault Report Centre	a
PM	Project Manager	a
UKAS	United Kingdom Accreditation service	a

6.3 Definitions

The following topic specific definitions are created:

- a) within London Underground's Glossary of Terms (1-622) (a Category 1 Standard);
- b) from published sources that are clearly identified.

Term	Definition	Source
Licensed contractor	A contractor licensed by the HSE to work with asbestos and working within the framework in HSG 247 Asbestos: the licensed contractors' guide	b
Unlicensed contractor	A contractor not licensed by HSE working on certain low risk materials within the framework of HSG 210 Asbestos Essentials	b

6.4 Technical content manager

Paragraph number	Technical content manager
All	Principal Premises Engineer



6.5 Document history

Issue no	Date	Changes	Author
1-130 A1	October 2007	Authorised for use. Previous authorisation is valid	
S1130 A2	August 2011	Standard renumbered and alterations due to changes in company structure made. Additional information to define specific responsibilities under the current legislation. Ref; DRACCT Log 00536	Martin Skiggs

7 Appendix

7.1 Example of summary sheet of asbestos surveys within a premise.

GOLDERS GREEN STATION
Summary of Asbestos Survey Report
Level 2 Survey (Visual and Sampling) was carried out in November 2007
INFORMATION LAST UPDATED OCTOBER 2008

The purpose of this summary report is to detail the presence of any suspect Asbestos Containing Materials (ACMs) within the Station. Any areas inaccessible during the Type 2 survey are (P) Presumed or strongly presumed (SP) to contain ACMs until known otherwise. All inaccessible areas will need to be surveyed prior to work being undertaken in these areas. To undertake any major refurbishment or pre-demolition a full access Type 3 survey must be undertaken.

All contractors working on Tube Lines property must remain vigilant during their works and if any suspect material is encountered which is likely to be disturbed the Asbestos Management Unit (AMU) must be contacted before continuing.

This station is deemed to be a **LOW RISK FOR HIDDEN ASBESTOS** when considering the date of construction or major works last carried out.


For further guidance contact the Tube Lines Asbestos Management Unit (tel: 020 7888 5015)

ID. No.	Description	Comments	Floors	Below false floors	Walls	Collings	Above false ceilings	Date identified	Mitigation	Date
Canopy	Station Exterior	None Visible	Two triangular shaped sections of canopy outside of shops; underside of canopy outside of shop 2m x 11m Glazing bars and 24no glass panes from Finchley Road entrance					03/05/2002	Removed	04/11/2004
1/001	Booking Hall	None Visible	Tiles	No Access	Plaster	Suslux Tiles	Concrete	Unknown	Removed	23/11/2004
1/011	Ticket Office	None Visible			Plaster, Boarding on Wall - Non Accession	Suslux & Acoustic Tiles	Concrete			
1/021	PDM	None Visible	Tiles		Plaster, Boarding on Wall - Non Accession	Concrete				
1/031	Office	None Visible	Tiles		Ducts - Metal, Chalk etc on Ducts	Suslux Boarding	Fibreglass			
1/035	Toilet	None Visible	Tiles		Plaster	Suslux Tiles	Plaster, Concrete, Fibreglass Lagging			
1/047	Kitchen	None Visible	Lino		Concrete, Some Tiles, Acoustic Panels under sink - Non Accession	Plasterboard Tiles	Concrete			
1/071	Circulating Area	None Visible	Tiles		Plaster	Suslux Tiles				
1/081	Lobby	None Visible	Tiles		Plaster, Boarding on Wall - Non Accession	Acoustic Panels	Concrete			
1/082	Lobby	None Visible	Concrete/ Carpet		Wood Panels	Lay in tiles/ plasterboard	Concrete			
1/201	Passage	None Visible	Concrete		Brickwork	Tile	Bituminous			
1/202	Passage	None Visible	Bituminous		Plaster	Concrete				
1/223	Passage	Not Surveyed			Not Surveyed					
1/226	Passage	None Visible	Tiles	No Access	Plaster	Suslux & Acoustic Tiles	Concrete & Brickwork			
1/237	Passage	Not Surveyed			Not Surveyed					
1/238	Passage	None Visible	Brick		Ceramic Tiles	Steel				
1/239	Lobby	None Visible	None Visible		Acoustic Panels	Steel				
1/311	Office	None Visible	Tiles		Concrete	Lay in tiles	Metal Sheets, Lagging - Fibreglass			
1/316	Locker Room	None Visible	Tiles		Plaster, Boarding on Wall - Non Accession		Plasterboard, Fibreglass Lagging			
1/317	Locker Room	None Visible	Tiles		Plaster	Concrete				
1/341	Men's Room	None Visible	Tiles		Tile, Acoustic Panels under sink - Non Accession	Acoustic Panels	Steel			
1/401	Bin Store	None Visible	Concrete		Brick, Panel in door - Timber	Concrete				
1/402	Bin Store	None Visible	Solid		Bricks	Part floor				
1/406	Store	None Visible	Concrete		Concrete, Vent pipe - Plaster	Concrete				
1/407	Store	None Visible	Tiles		Tile	Acoustic Panels	Concrete			
1/411	Store	None Visible	Concrete		Concrete	Concrete				
1/413	Store	None Visible	Concrete Stairs - Tiles		Tile/ Concrete	Concrete				
1/414	Store	None Visible	Concrete/ Lino		Brick, Plasterboard, Concrete	Concrete				
1/415	Store	None Visible	Carpet, Solid		Plaster, Solid	Plaster, Solid				
1/416	Toilet	None Visible	Tiles		Store room 1/415 belongs to new office complex - Not Surveyed	Tile, Suspenders - Wood	Concrete, Fibreglass Lagging			
1/417	Toilet	None Visible	Tiles		Melamine, Panels above window - Wood	Acoustic Panels				
1/418	Toilet	None Visible	Tiles		Tile, Boarding, Plasterboard	Concrete				
1/419	Toilet	None Visible	Tiles		Tile	Acoustic Panels	Concrete			
1/420	Toilet	None Visible	None Visible		New Construction	Acoustic Panels	Concrete			
1/451	Tenancy	Not Surveyed			No Access					
1/452	Tenancy	Not Surveyed			No Access					
1/481 (Not on Survey)	Roof Access	None Visible	Concrete		Brick	Open Area				



8 Current Written Notices

Written Notice No	Issue Date	Written Notice Title
LU-WN-01131	28/05/2012	The Control of Asbestos Regulations 2012

Written Notice to Standards	LUL Ref No: LU-WN-01131	
	Suppliers Ref No:	

1.	Written Notice Completed By	
	Technical Content Manager:	John Caves
	Directorate:	Capital Programmes Directorate
	Date issued:	April 2012

2.	Details of Standard Requiring Clarification	
	Title:	Control of Asbestos in London Underground Premises
	Standard No:	S1130
	Version:	A2
	Clause:	General

3.	Details of Definitive LU Interpretation of Requirements	
	Title: CAR 2012	The Control of Asbestos Regulations 2012
<p>The Control of Asbestos Regulations 2012 came into force on 6th April 2012. All references within this standard to the 2006 Regulations should now read " Control of Asbestos Regulation 2012".</p> <p>The HSE intend to publish new guidance in the near future and this standard will be more generally revised at that time.</p> <p>In Standard clause 5.1.2 the Procedure, PR-10026-A3 Control of Asbestos has been superceded by the guidance document G0130 Asbestos Control. Similarly clause 6.1.5 LU Company Documents refers to the same altered documents.</p> <p>In Standard clause 6.1.1 Statutory documents, the Document No. Is revised to 2012 No. 632 and the title is Control of Asbestos Regulations 2012.</p> <p>Clause 6.1.4 Industry codes of practice have not changed and mesh with the revised regulations, so you are advised to follow these guidance documents.</p>		