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Report No. 4RS-AW-024663-R20488

TYPE 2 ASBESTOS SURVEY OF HEATHROW TERMINAL 4 STATION

Prepared for: **Chris Thompson**
Rail Asbestos Control Unit
Tube Lines Limited
[redacted]

Issue Date: *16th June 2003*

Prepared by: [redacted]
Technologist

Signature: ... [redacted] .....

Certified by: [redacted]
Senior Consultant

Signature: ... [redacted]

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APPENDIX 3 : SITE PLANS AND LOCATIONS OF SAMPLING

1. Introduction

4-RAIL Services Ltd were requested by Mr Chris Thompson, Rail Asbestos Control Unit, Infraco JNP Limited, to survey Heathrow Terminal 4 station, for materials suspected of containing asbestos.

A Type 2 survey of selected areas was undertaken in April 2003 by 4-Rail lead surveyors.

2. Sampling and Analysis

A Type 2 survey was carried out in accordance with MDHS 100 and in-house procedure 4R-E200 issue 3.

The aim of the survey was to locate as far as reasonably practical, all asbestos containing materials in at Heathrow Terminal 4 station and assess the associated risk.

Any materials that were known to contain asbestos or which were strongly suspected to contain asbestos were recorded.

Samples were examined by polarised light microscopy in general accordance with the methods described in the current HSE Document MDHS 77.

Samples taken will be retained for a period of three months unless otherwise specified by the client.

3. Results

Figures 1-6 show materials found to contain asbestos Figures 7-21 show materials strongly presumed to contain asbestos. These figures are typical examples of all the materials found. Each figure includes a description of the material and result of analysis.

Each sample was awarded a hazard rating based on:

- Product type;
- Current Condition;
- Surface Treatment;
- Type of asbestos,
- Potential for disturbance.

Please refer to Appendix 1 for definitions of conditions for each category.

Appendix 2 contains the site survey sheets detailing the areas surveyed and all results of analysis.

Appendix 3: site plans and locations of sampling

4. Conclusions

Twelve samples were taken, of which six were found to contain asbestos material.

Asbestos was found in samples taken from the following locations:

- Toilet cistern to wall, Toilet 2/417, second toilet.
- Toilet cistern to wall, first toilet, Toilet 2/417.
- Acoustic panel under sink, Toilet 2/417, second toilet.
- Acoustic panel under sink, Mess/ Locker Room 2/332, Wall 3.
- Acoustic panel under sink, Office 2/382, Wall 2.
- Acoustic panel under sink, Store 2/331, Wall 2.
- Acoustic panel under sink drainer, Store 2/331, Wall 2.

Materials strongly presumed to contain asbestos were found in the following locations:

- Insulation inside one sanitary towel burner, Toilet 3/036, Wall 3.
- Insulation inside one iron-clad isolator, Switch Room 3/665.
- Insulation inside one iron-clad isolator, Switch Room 3/664, Wall 2.
- Insulation inside electrical equipment, Switch Room 3/662, Wall 2.
- Insulation inside electrical equipment, Switch Room 3/661, Wall 2.
- Insulation inside electrical equipment, Switch Room 3/661, Wall 2.
- Four filled cable sleeves in floor, Switch Room 3/661, Wall 2.
- Insulation inside two grey iron-clad isolators, CER 3/731, Wall 2.
- Insulation inside five blue iron-clad isolators, Pump Room 3/771.
- Insulation inside trunking next to five blue iron-clad isolators, Pump Room 3/771.
- Gaskets between pump equipment and pipework joints, Pump Room 3/771.
- Insulation inside one iron-clad isolator, Vent Room 3/762.
- Gasket material between joint of ventilation equipment, Vent Room 3/762.
- Insulation inside sanitary towel burner to wall, Toilet 2/417, Wall 2.
- Insulation inside one sanitary towel burner to wall, Toilet 2/419, Wall 3.
- Insulation inside one iron-clad isolator, Stairs 2/243, Wall 1.
- Insulation inside six iron-clad isolators, Switch Room 3/663.
- Insulation inside trunking next to six iron-clad isolators, Switch Room 3/663.

Access could not be gained to the following areas:

- Below hatch cover on floor of Store 3/415.
- Behind Supalux boxing on Wall 2 of Corridor 3/238.
- Behind Supalux panel boxing on Wall 1 of Lobby 3/240.
- Behind wooden boxing between Walls 1 & 2 in Store 3/411.
- Below hatch cover on floor of Store 3/412.
- Behind wooden boxing between Walls 1 & 2 in Store 3/412.
- Behind metal tiles to false ceiling of Tenancy 3/901.
- Into Tenancy 3/452.
- Behind Supalux boxing, back part of Tenancy 3/451.
- Under hatch cover on floor of Switch Room 3/662.
- Under hatch cover on floor of Switch Room 3/661.
- Under hatch covers on floor of Pump Room 3/771.
- Behind wood boxing on Wall 4 of Lobby 3/241.
- Behind wooden boxing on Wall 3 of Office 3/281.
- Under hatch covers of thirteen hatches on floor of Circulating Area 3/071.
- Above hatch covers in ceiling of Circulating Area 3/071.
- Under hatch cover on floor of Vent Room 3/762.
- To boilers near Wall 4 in top level of Vent Room 3/762.
- into fire cupboard in circulating Area 3/071.
- Below covers of two hatches in floor of Booking Hall 3/001.
- Below hatch cover in floor of Passage 3/201.
- Behind wood boxing on Wall 4 of Second Toilet 2/417.
- Below metal cable tray on floor of Balcony 2/244.
- Behind Supalux panel on Wall 4 of Disused 2/801.
- Behind Supalux panel on Wall 1 of Mess/ Locker Room 2/332.
- Behind wooden boxing to Walls 3 & 4 of Office 2/382.
- Behind Supalux panel on Wall 1 Corridor 2/243.
- Behind wood boxing on Wall 1 of Lobby 2/242.
- Behind Wall 1 by entrance of Stairs 1/631.
- Into metal trunking to walls and ceiling, Platform 1, 3/261.

Asbestos located behind solid walls, under solid floors or above solid ceilings etc. may not become evident until refurbishment or demolition.

Detection would require a full intrusive survey, which would result in severe damage to those areas.

5. Recommendations

5.1 Contractors working in the premises should be made aware of the presence of any asbestos containing materials such that suitable precautions may be taken as required.

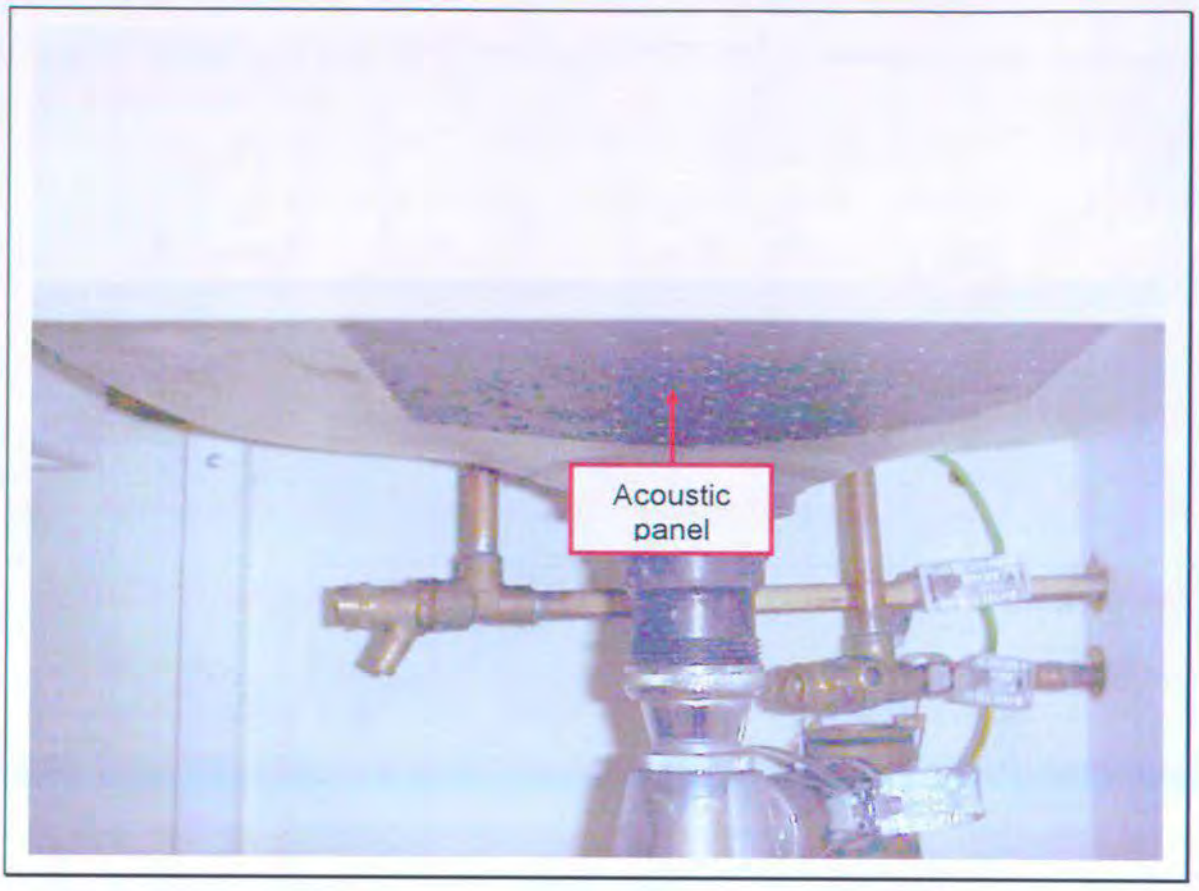
5.2 An asbestos register should be kept in an accessible location on site.

Figure 1: Sample No. 024663/2 – Description and Analysis Results

Sample number	024663/2
Location	Toilet 2/417, second toilet
Description	Toilet cistern to wall
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Low
Risk Assessment Factor	6

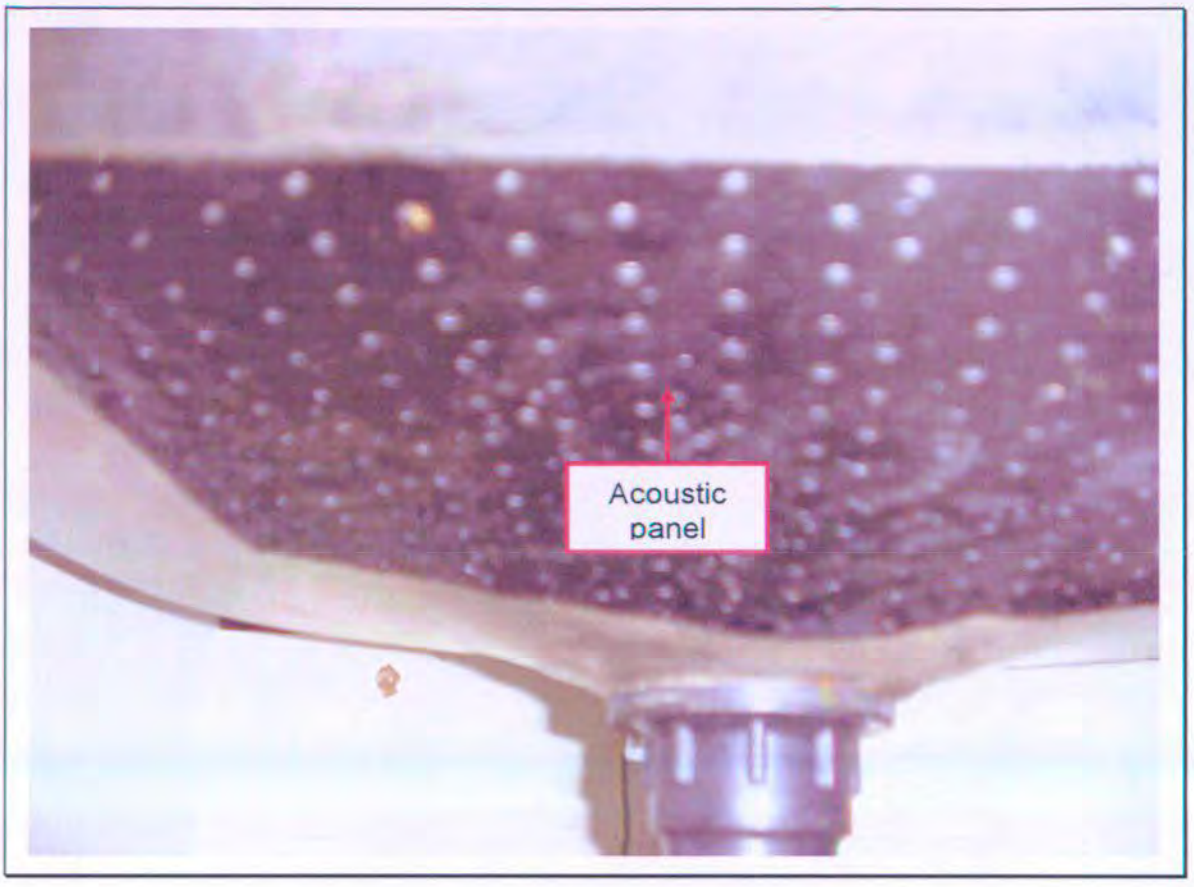
Sample number	Same as 024663/2
Location	Toilet 2/417
Description	Toilet cistern to wall, first toilet
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Low
Risk Assessment Factor	6

Figure 2: Sample No. 024663/3 – Description and Analysis Results



Sample number	024663/3
Location	Toilet 2/417, second toilet
Description	Under sink acoustic panel
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Very low
Risk Assessment Factor	6

Figure 3: Sample No. 024663/7 – Description and Analysis Results



Sample number	024663/7
Location	Mess/ Locker Room 2/332, Wall 3
Description	Under sink acoustic panel
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Very low
Risk Assessment Factor	6

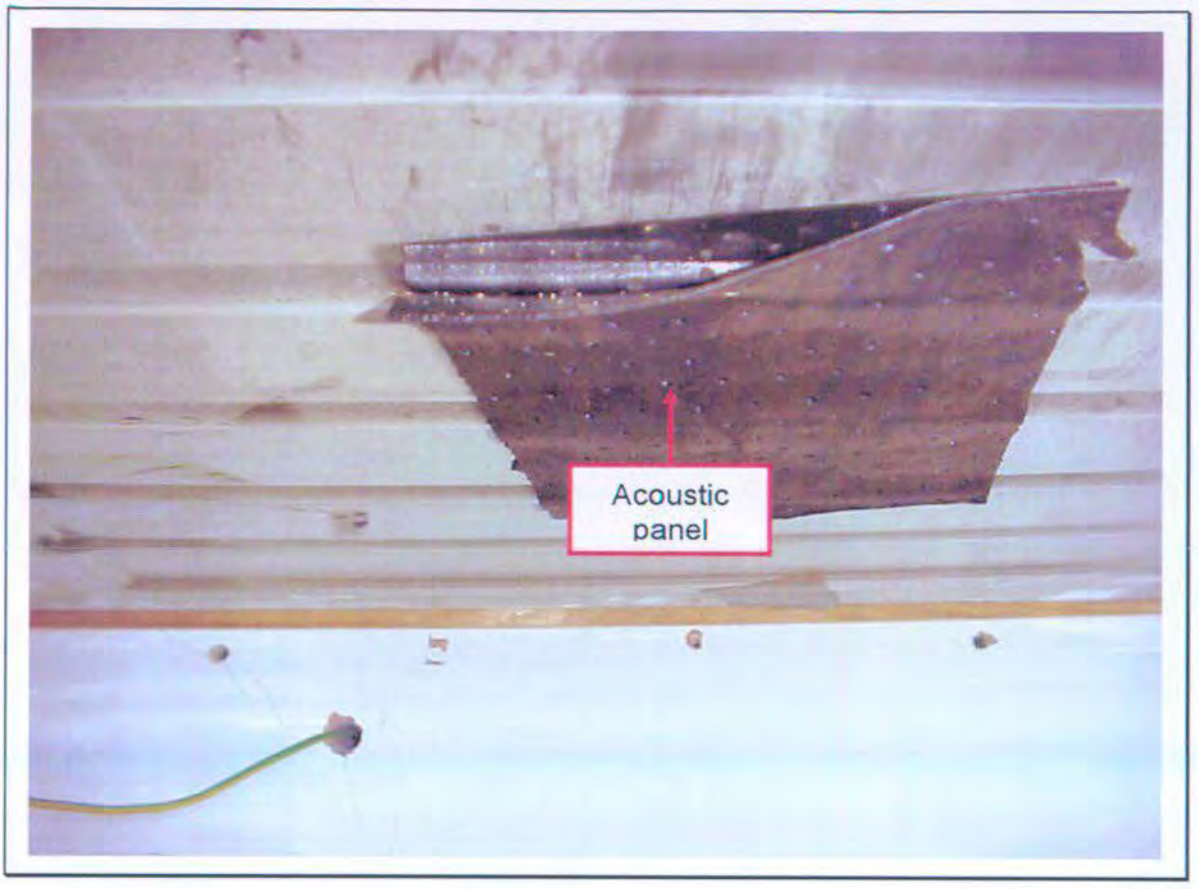
Figure 4: Sample No. 024663/8 – Description and Analysis Results

Sample number	024663/8
Location	Office 2/382, Wall 2
Description	Under sink acoustic panel
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Very low
Risk Assessment Factor	6

Figure 5: Sample No. 024663/9 – Description and Analysis Results

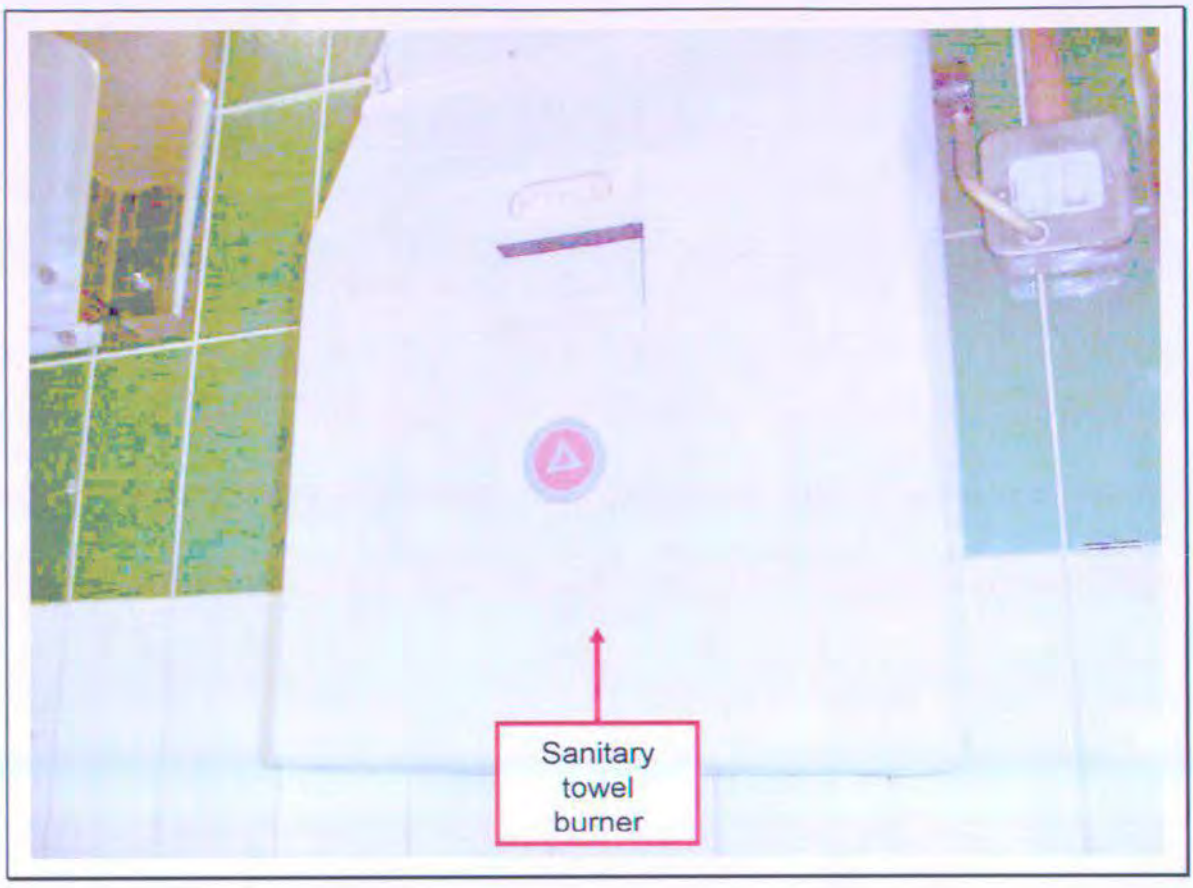
Sample number	024663/9
Location	Store 2/331, Wall 2
Description	Under sink acoustic panel
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Very low
Risk Assessment Factor	6

Figure 6: Sample No. 024663/10 – Description and Analysis Results



Sample number	024663/10
Location	Store 2/331, Wall 2
Description	Under sink acoustic panel
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	3
Potential for disturbance	Low
Risk Assessment Factor	6

Figure 7: Material Strongly presumed To Contain Asbestos



Location	Toilet 3/036, Wall 3
Description	Insulation inside one sanitary towel burner

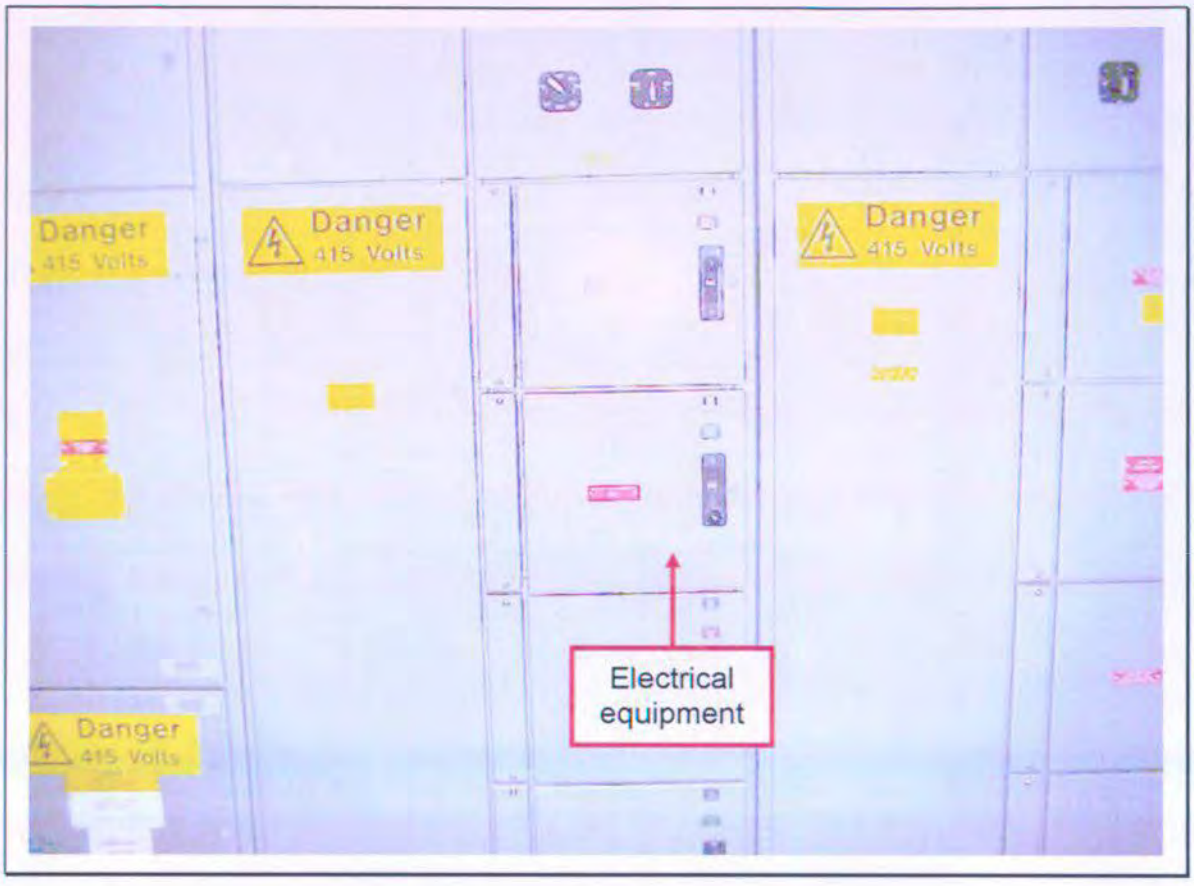
Figure 8: Material Strongly presumed To Contain Asbestos

Location	Switch Room 3/665
Description	Insulation inside one iron-clad isolator

Figure 9: Material Strongly presumed To Contain Asbestos

Location	Switch Room 3/664, Wall 2
Description	Insulation inside one iron-clad isolator

Figure 10: Material Strongly presumed To Contain Asbestos

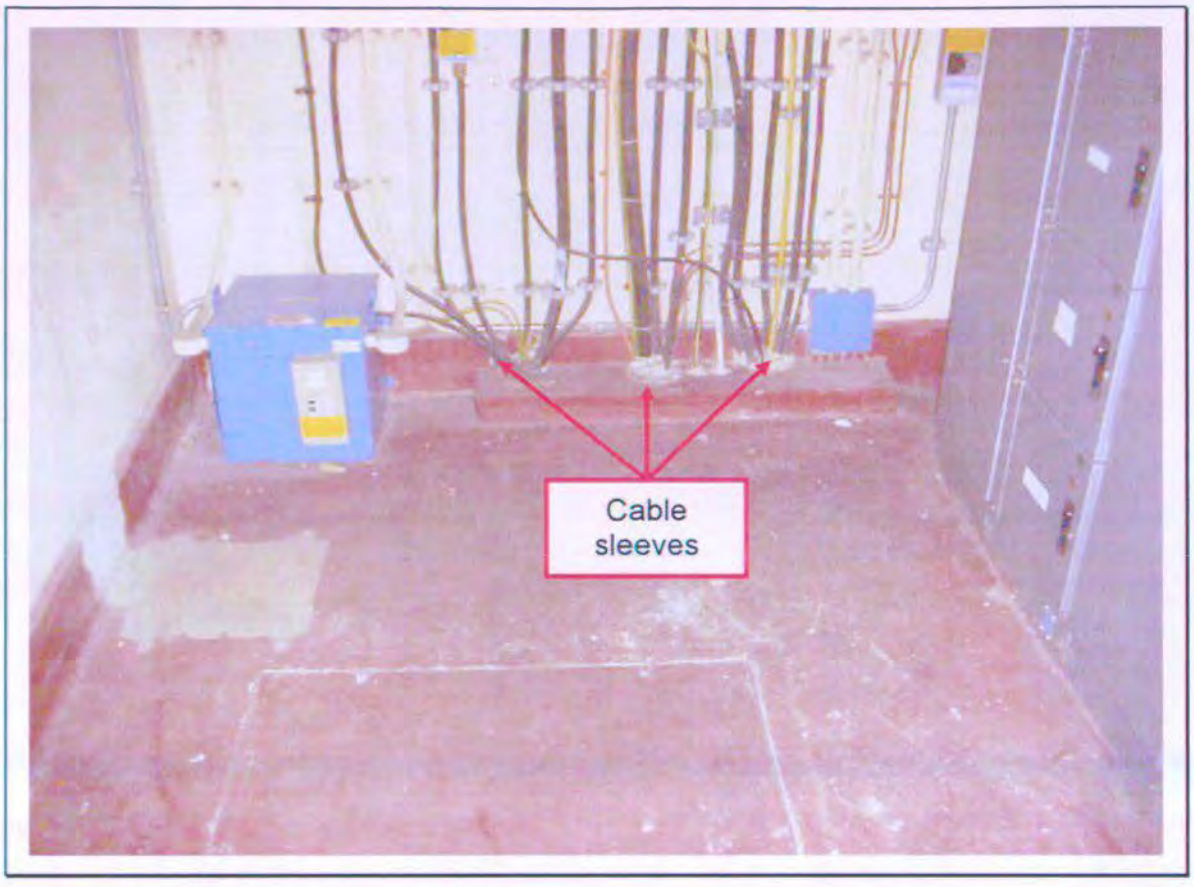


Location	Switch Room 3/662, Wall 2
Description	Insulation inside electrical equipment

Figure 11: Material Strongly presumed To Contain Asbestos

Location	Switch Room 3/661, Wall 2
Description	Insulation inside electrical equipment

Figure 12: Material Strongly presumed To Contain Asbestos

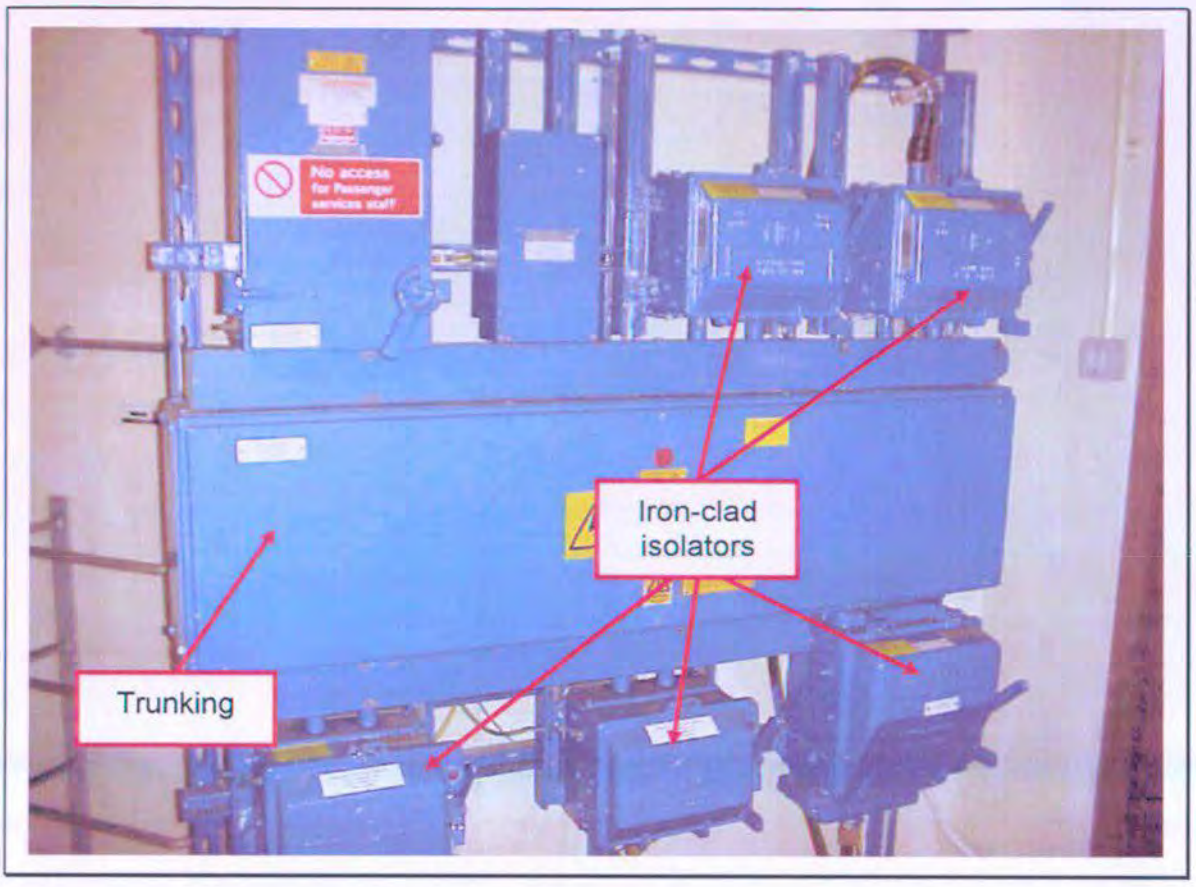


Location	Switch Room 3/661, Wall 2
Description	Four filled cable sleeves in floor

Figure 13: Material Strongly presumed To Contain Asbestos

Location	CER 3/731, Wall 2
Description	Insulation inside two grey iron-clad isolators

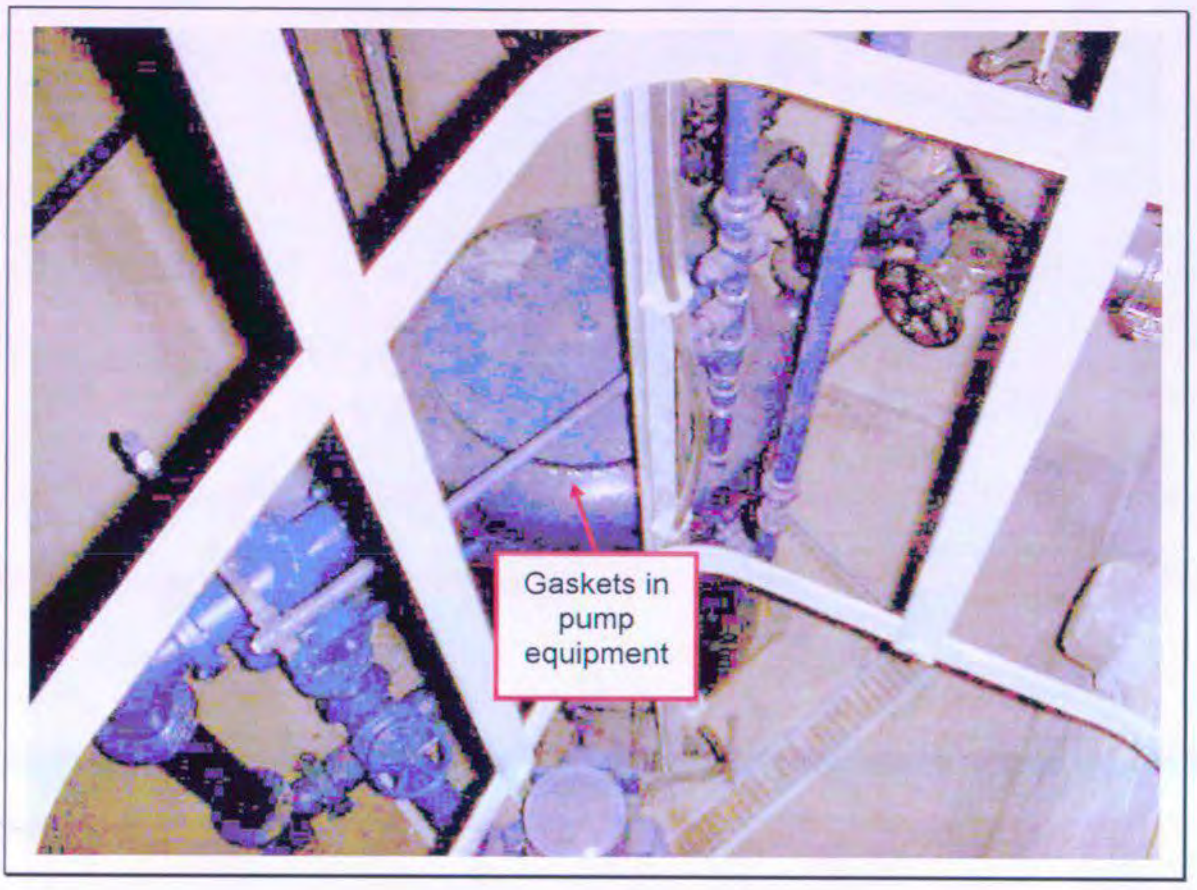
Figure 14: Material Strongly presumed To Contain Asbestos



Location	Pump Room 3/771
Description	Potential Insulation inside five blue iron-clad isolators

Location	Pump Room 3/771
Description	Insulation inside trunking next to five blue iron-clad isolators

Figure 15: Material Strongly presumed To Contain Asbestos



Location	Pump Room 3/771
Description	Gaskets between pump equipment and pipework joints

Figure 16: Material Strongly presumed To Contain Asbestos

Location	Vent Room 3/762
Description	Insulation inside one iron-clad isolator

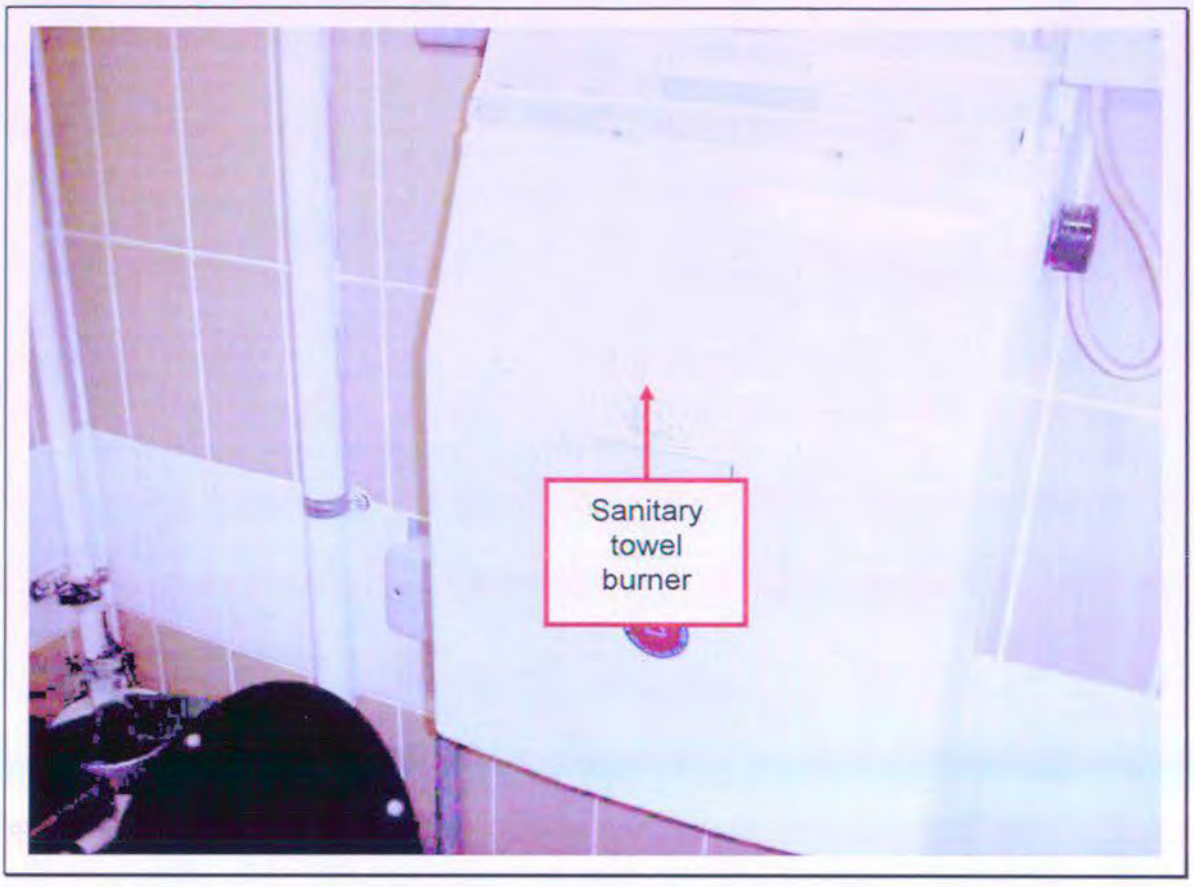
Figure 17: Material Strongly presumed To Contain Asbestos

Location	Vent Room 3/762
Description	Gasket material between joint of ventilation equipment

Figure 18: Material Strongly presumed To Contain Asbestos

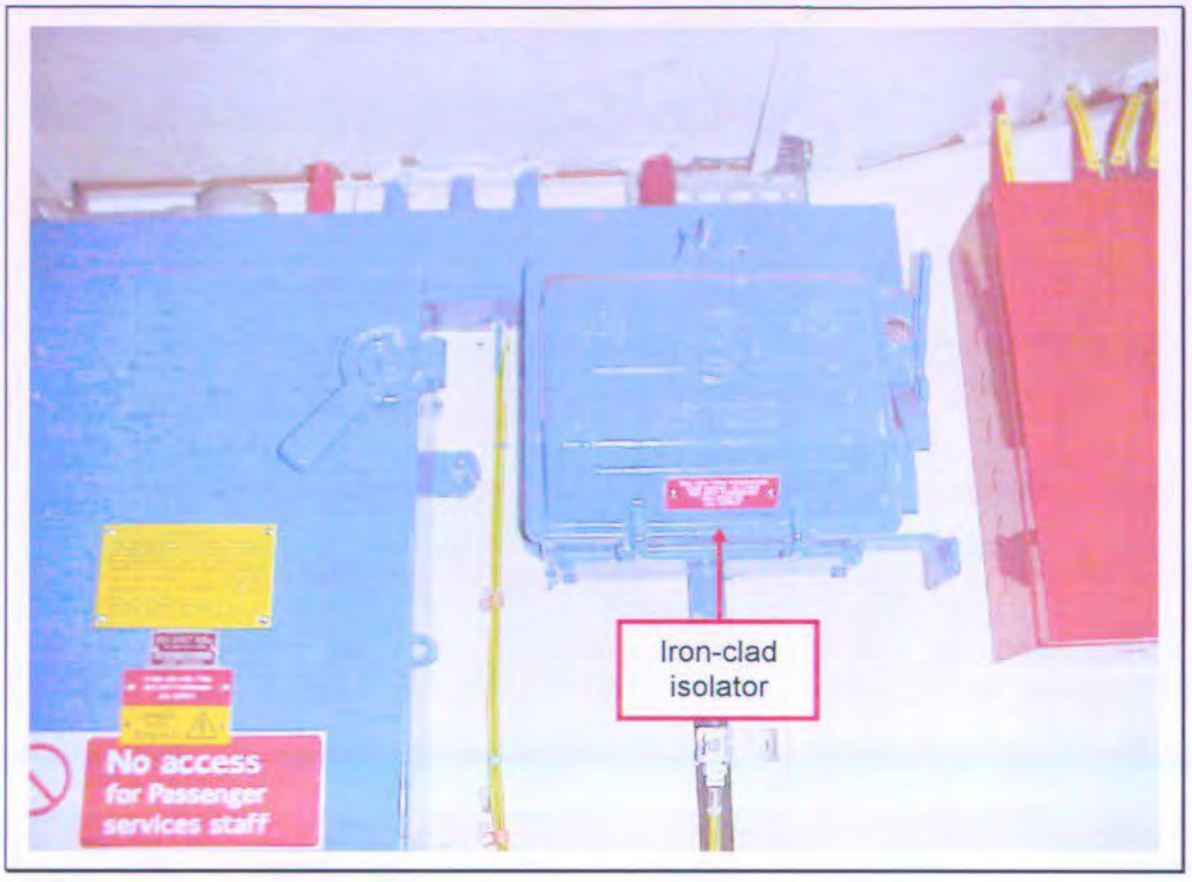
Location	Toilet 2/417, Wall 2
Description	Insulation inside sanitary towel burner to wall

Figure 19: Material Strongly presumed To Contain Asbestos



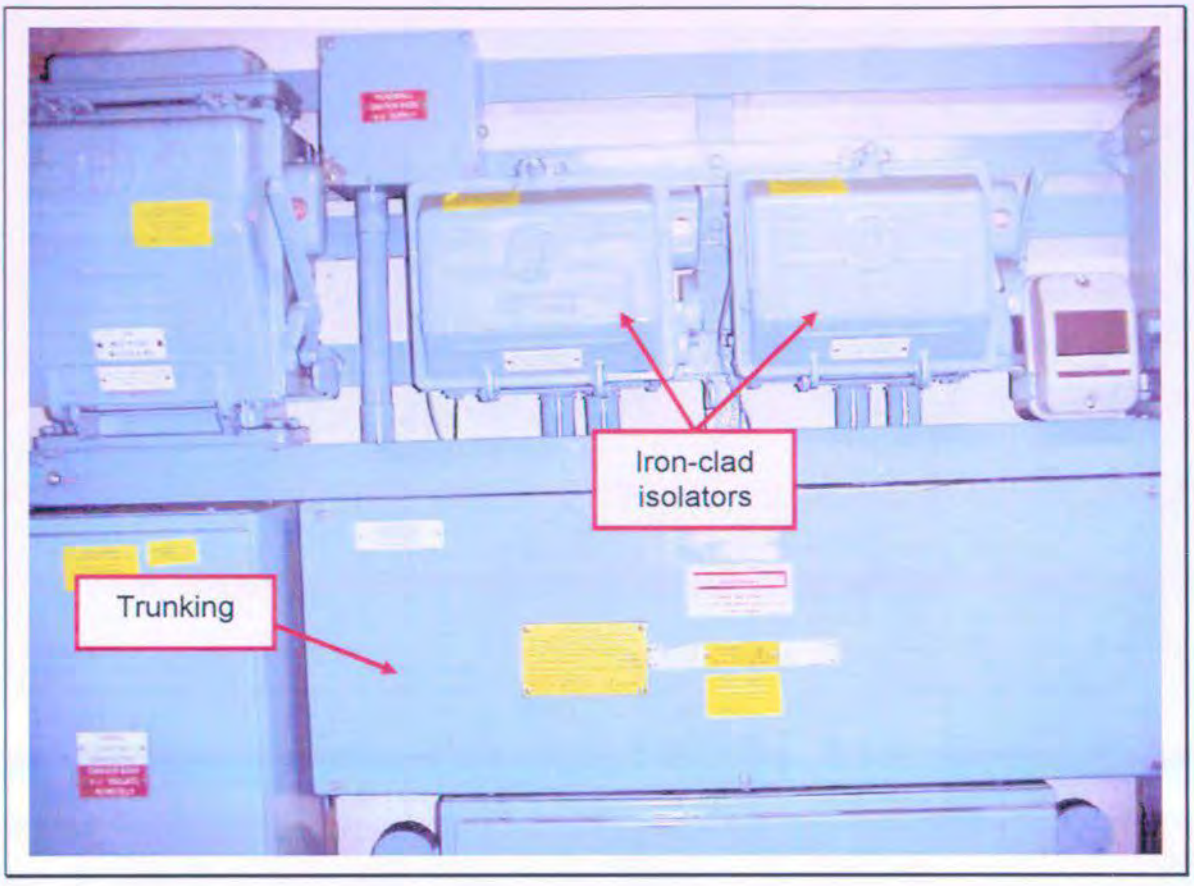
Location	Toilet 2/419, Wall 3
Description	Insulation inside one sanitary towel burner to wall

Figure 20: Material Strongly presumed To Contain Asbestos



Location	Stairs 2/243, Wall 1
Description	Insulation inside one iron-clad isolator

Figure 21: Material Strongly presumed To Contain Asbestos



Location	Switch Room 3/663
Description	Insulation inside six iron-clad isolators

Location	Switch Room 3/663
Description	Insulation inside trunking next to six iron-clad isolators

Appendix 1: Material and Risk Assessment Variables

PARAMETER	DESCRIPTION	RATING	EXAMPLES
Product Type	Asbestos reinforced composites	1	Plastics, resins, mastics, roofing felt, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement.
	Medium density insulating materials	2	Asbestos insulating boards, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes or woven textiles, asbestos paper and felt.
	High density insulating materials	3	Thermal insulation e.g. pipe and boiler lagging, sprayed asbestos, loose asbestos, asbestos mattresses and packing.
Current Condition	Good condition	0	No visible damage.
	Slight damage	1	A few scratches or surface marks, broken edges on boards, tiles, etc.
	Moderate damage	2	Significant breakage or several small areas of damage revealing loose fibres.
	Extensive damage	3	High levels of damage. Visible asbestos debris.
Surface Treatment	Asbestos reinforced composites	0	Plastics, resins, mastics, roofing felt, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement, bituminous Cellactite.
	Encapsulated medium density materials	1	Encapsulated asbestos insulation board (AIB).
	Unencapsulated medium density or encapsulated highly friable materials	2	Untreated AIB, encapsulated lagging/spray.
	Unencapsulated highly friable materials	3	Untreated lagging/spray.
Asbestos Type	Chrysotile	1	Cable insulation, fuse backing material
	Amphibole excluding crocidolite	2	Ceiling Tiles, Soffits
	Containing Crocidolite *	3	Cable Insulation

* *Presumed* or *strongly presumed* asbestos containing materials are recorded as Crocidolite unless there is reasoned argument to suggest otherwise.

Type 1 & 2 surveys yield four parameters (product type, current condition, surface treatment & asbestos type) that are **added** to arrive at an overall **material assessment factor** between 2 and 12.

Potential for disturbance	Very Low	1	Roofs, Cellactite sheets
	Low	2	Ceiling tiles, soffits
	Medium	3	Cable insulation
	High	4	Public areas, intentional disturbance

The potential for disturbance is also assessed by the surveyors. The value allocated by the surveyors is included in the report *for information only* since it may be different from the value considered by the Client due to an intended use of the surveyed area.

A **risk assessment factor** of between 2 and 48 is arrived at by **multiplying** the material assessment factor with the potential for disturbance rating. On the basis of the material or risk assessment factors, remedial action may be scheduled and/or a maintenance or inspection programme planned.

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Lobby	3/236	Floor							Quarry tiles	
	Lobby	3/236	All walls							Solid	
	Lobby	3/236	Wall 3							Metal hatch for electric's	
	Lobby	3/236	False ceiling							Supalux foam tile	
	Lobby	3/236	Ceiling							Above concrete	
	Lobby	3/236	Above ceiling beams							Concrete spray	
	Lobby	3/236	Above ceiling							Metal trays and conduits	
	POM	3/021	Floor							Computer tiles	
	POM	3/021	Under floor							Concrete	
	POM	3/021	Walls 2-6							Plaster, solid	
	POM	3/021	Wall 1							Metal frame, wooden panels	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: .... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	POM	3/021	Walls 2 and 3							Wood boxing	
	POM	3/021	Behind boxing							Metal vent unit	
	POM	3/021	Wall 5							Boxing, wood	
	POM	3/021	Behind boxing							Metal pipe	
	POM	3/021	False ceiling							Supalux false tiles	
	POM	3/021	Above false ceiling							Sprayed concrete	
	POM	3/021	Above false ceiling							Metal trays and conduits	
	POM	3/021	Wall 5							Hatch, wood	
	POM	3/021	Behind hatch							Floor concrete	
	POM	3/021	All walls							Solid	
	Toilet	3/036	Floor							Quarry tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: ... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Toilet	3/036	All walls							Ceramic tiles	
	Toilet	3/036	Ceiling							Plaster	
024663/1	Toilet	3/036	Wall 2	0.5	1	1	0	2	0	Toilet system	
	Toilet	3/036	Wall 3						SP	Sanitary burner, strongly presumed insulation inside	Figure 7
	Ticket Office	3/011	Floor							Computer tiles	
	Ticket Office	3/011	Under floor							Concrete	
	Ticket Office	3/011	Wall 1							Wood boxing	
	Ticket Office	3/011	Ceiling							Supalux foam tiles	
	Ticket Office	3/011	Above false ceiling							Concrete sprayed beams, metal cable trays	
	Ticket Office	3/011	Wall 1, behind wood boxing							Conduits and solid walls	
	Ticket Office	3/011	All walls							Solid	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] .....

D235-04s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Ticket Office	3/011	Wall 3	x 8						Wood panels	
	Cupboard	3/902	Floor							Computer tiles	
	Cupboard	3/902	All walls							Solid	
	Cupboard	3/902	Ceiling							Solid	
	Cupboard	3/902	Walls 1 and 3							Wood shelving	
	Lobby	3/236	Stairs of 3/236 2/236								
	Lobby	3/236	All walls							Solid	
	Lobby	3/236	Floor and stairs							Quarry tiles	
	Lobby	3/236	False ceiling							Supalux foam tiles	
	Lobby	3/236	Above false ceiling							Concrete	
	Corridor	3/239	All walls							Solid	
	Corridor	3/239	Floor							Quarry tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: ... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Corridor	3/239	False ceiling							Supalux foam tiles	
	Corridor	3/239	Above false ceiling							Concrete	
	Store	3/415	Floor							Concrete	
	Store	3/415	Floor							Hatch, no access	
	Store	3/415	All walls							Solid	
	Store	3/415	Ceiling							Concrete	
	Store	3/406	Floor							Quarry tiles	
	Store	3/406	All walls							Solid	
	Store	3/406	Ceiling							Solid	
	Store	3/406	Ceiling by walls 1 and 3							Concrete sprayed beam	
	Store	3/406	Ceiling by walls 1 and 2							Supalux panel	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	3/406	Boxing by walls 2 and 4							Supalux panel	
	Store	3/406	Wall 4							Ceramic tile and sink	
	Store	3/406	Wall 2							Wood boarding	
	Store	3/406	Behind wood boxing							Service area	
	Store	3/406	Ceiling							Concrete	
	Store	3/406	Floor							Concrete	
	Store	3/406	All walls							Breeze block	
	Store	3/406	All walls							Fibreglass lagged pipes	
	Store	3/801	Floor							Concrete	
	Store	3/801	All walls							Solid	
	Store	3/801	Ceiling							Solid	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	3/801	Wall 3							*Supalux boxing around vents*	
	Store	3/801	Ceiling, walls 1 and 3							Fibreglass lagged pipes	
	Switch Room	3/665	Floor							Concrete	
	Switch Room	3/665	All walls							Solid	
	Switch Room	3/665	Ceiling							Solid	
	Switch Room	3/665	Ceiling							Concrete sprayed beams	
	Switch Room	3/665	Wall 2							Electric cables	
	Switch Room	3/665	Wall 2	x 1					SP	Iron clad isolator, strongly *presumed insulation*	Figure 8
	Switch Room	3/664	Floor							Quarry tiles	
	Switch Room	3/664	All walls							Solid	
	Switch Room	3/664	Ceiling							*Concrete*	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium *density* 3.High friable	0.Good condition 1.*Slight* damage 2.Moderate damage 3.*Extensive* damage	0.Composite 1.Encapsulate*d medium* density 2.Unencapsulated medium *density or* treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.*Amphibole* excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Switch Room	3/664	Wall 2						SP	Iron clad isolator, strongly presumed insulation	Figure 9
	Switch Room	3/664	Wall 4							Metal post cover on wood doors	
	SCR	3/746	Floor							Concrete	
	SCR	3/746	All walls							Solid / breeze block	
	SCR	3/746	Ceiling							Solid metal beams	
	SCR	3/746	Wall 3							Electric equipment, no asbestos detected	
	Corridor	3/238	Floor							Quarry tile	
	Corridor	3/238	All walls							Solid	
	Corridor	3/238	False ceiling							Supalux foam tile	
	Corridor	3/238	Above false ceiling							Metal ducting, solid	
	Corridor	3/238	Wall 2							Supalux boxing, no access behind	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: .... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Corridor	3/238	Wall 2							Supalux panels around door frames	
	Bin Store	3/401	Floor							Quarry tiles	
	Bin Store	3/401	All walls							Solid	
	Bin Store	3/401	Between 1 and 2							Supalux boxing	
	Bin Store	3/401	Between 2 and 3							Supalux boxing	
	Bin Store	3/401	Ceiling							Solid plaster and fibreglass	
	Bin Store	3/401	Walls 1 and 3, ceiling							Lagged pipes and concrete sprayed beam	
	Lobby	3/240	Floor							Quarry tile	
	Lobby	3/240	All walls							Solid	
	Lobby	3/240	Wall 3							Wood panel behind extinguisher	
	Lobby	3/240	Wall 4							Supalux panels around door frame	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: [redacted] .....

D235-04s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Lobby	3/240	Wall 1							Supalux panel boxing, no access behind	
	Lobby	3/240	Ceiling							Supalux foam tiles	
	Lobby	3/240	Above false ceiling							Concrete	
	Store	3/411	Floor							Quarry tiles	
	Store	3/411	All walls and ceiling							Solid	
	Store	3/411	Between walls 1 and 2							Wood boxing, no access behind	
	Store	3/411	Ceiling, walls 1, 3 and 4							Concrete sprayed beams	
	Store	3/412	Floor							Quarry tile	
	Store	3/412	Floor	x 1						Hatch, no access behind	
	Store	3/412	All walls							Solid	
	Store	3/412	Between walls 1 and 2							Wood boxing, no access behind	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	3/412	Panelling above wall 4							Supalux	
	Store	3/412	Ceiling							Solid concrete sprayed beam	
	Store	3/413	Floor							Ceramic tiles	
	Store	3/413	Ceiling							Concrete	
	Store	3/413	All walls							Breeze block	
	Store	3/413	Ceiling	x 2						Wood panels	
	Tenancy	3/901	Floor							Ceramic tiles	
	Tenancy	3/901	False ceiling							Metal tiles, no access behind	
	Tenancy	3/901	All walls							Metal clad shelving	
	Tenancy	3/901	Back of tenancy							Staff area	
	Tenancy	3/901	Floor							Ceramic tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Tenancy	3/901	All walls							Breeze block	
	Tenancy	3/901	Ceiling							Metal tiles, no access above	
	Tenancy	3/452								No access	
	Tenancy	3/451	Ceiling							Metal hold ceiling	
	Tenancy	3/451	Above false ceiling							Concrete	
	Tenancy	3/451	All walls							Solid	
	Tenancy	3/451	Floor							Ceramic tiles	
	Tenancy	3/451	Floor							Rubber tiles	
	Tenancy	3/451	Back part of tenancy							Supalux boxing, no access	
	Lobby	3/242	Floor							Concrete	
	Lobby	3/242	Ceiling							Solid	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Lobby	3/242	Ceiling							Concrete sprayed beams	
	Lobby	3/242	Ceiling, wall 4							Solid plaster panels	
	Switch Room	3/662	Floor							Concrete	
	Switch Room	3/662	Floor							Hatch, no access	
	Switch Room	3/662	All walls							Solid	
	Switch Room	3/662	Ceiling							Solid	
	Switch Room	3/662	Ceiling							Concrete sprayed beams	
	Switch Room	3/662	Wall 4							Metal poster panel on solid wall	
	Switch Room	3/662	Wall 2						SP	Electrical equipment, strongly presumed insulation inside	Figure 10
	Switch Room	3/661	Floor							Concrete	
	Switch Room	3/661	Floor							Hatch, no access below	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Switch Room	3/661	All walls							Solid	
	Switch Room	3/661	Wall 4							Metal poster panel	
	Switch Room	3/661	Wall 2						SP	*Electrical equipment*, strongly presumed insulation inside	Figure 11
	Switch Room	3/661	Ceiling							Solid	
	Switch Room	3/661	Ceiling							Concrete sprayed beams	
	Switch Room	3/661	Floor	x 4					SP	Cable sleeves, filled in	Figure 12
	CER	3/731	Floor							Quarry tiles	
	CER	3/731	All walls							Solid	
	CER	3/731	Ceiling							Solid	
	CER	3/731	Ceiling							Concrete sprayed beams	
	CER	3/731	Wall 2	x 2					SP	Iron clad isolators, strongly presumed insulation inside	Figure 13
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.*Chrysotile* 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: .... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	CER	3/731	All walls							Electrical equipment, no asbestos detected	
	Pump Room	3/771	Floor							Concrete	
	Pump Room	3/771	All walls							Solid	
	Pump Room	3/771	Ceiling							Solid	
	Pump Room	3/771	Ceiling							Concrete sprayed beams	
	Pump Room	3/771	Wall 4							Fibreglass lagged pipes	
	Pump Room	3/771	Wall 4	x 5					SP	Iron clad isolator, strongly presumed insulation inside	Figure 14
	Pump Room	3/771	Wall 4						SP	Trunking, strongly presumed insulation inside	Figure 14
	Pump Room	3/771	Floor							Hatch, no access	
	Pump Room	3/771	Wall 4							Wood panel behind taps	
	Pump Room	3/771	Walls 2 and 4							Cable sleeves	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: .. [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Lower Level	3/771	Pump room							Terracotta	
	Lower Level	3/771	Gaskets in pump equipment						SP	No access to gaskets	Figure 15
	Lobby	3/241	Floor							Quarry tiles	
	Lobby	3/241	Walls 1-6							Solid	
	Lobby	3/241	Wall 4							Stretcher cupboard, no asbestos detected	
	Lobby	3/241	Wall 4							Wood boxing, no access *behind*	
	Lobby	3/241	False ceiling							Supalux foam tiles	
	CER	3/761	Floor							Quarry tiles	
	CER	3/761	All walls							Solid	
	CER	3/761	Ceiling							Solid	
	CER	3/761	Ceiling							Sprayed beams	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated *highly friable*	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	CER	3/761	All walls							Electrical equipment	
	Office	3/281	Floor							Quarry tiles	
	Office	3/281	All walls							Solid	
	Office	3/281	False ceiling							Supalux foam tiles	
	Office	3/281	Ceiling							Concrete	
	Office	3/281	Wall 4							Coat hook panel	
	Office	3/281	Wall 4							Mirror	
	Office	3/281	Wall 3							Boxing, wood no access behind	
	Mess Room	3/332	Floor							Quarry tiles	
	Mess Room	3/332	All walls							Solid	
	Mess Room	3/332	Wall 3							Wood boxing, pipe behind	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
024663/4	Mess Room	3/332	Wall 2	0.05	1	1	0	2	0	Acoustic panel	
	Mess Room	3/332	False ceiling							Supalux foam panels	
	Mess Room	3/332	Above false ceiling							Concrete and concrete sprayed beams	
	Lobby	3/414	Floor							Concrete	
	Lobby	3/414	Walls 1, 3 and 4							Concrete	
	Lobby	3/414	Wall 2							Breeze block	
	Lobby	3/414	Wall 2							Supalux panel	
	Lobby	3/414	Ceiling							Solid	
	Switch Room	3/666	Floor							Concrete	
	Switch Room	3/666	All walls and ceiling							Solid	
	Switch Room	3/666	Ceiling and wall 3	x 2						Supalux panels	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: .. [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Switch Room	3/666	Ceiling							Solid	
	Circulating Area	3/071	Floor							Ceramic tiles	
	Circulating Area	3/071	Floor	x 13						Hatches, no access below	
	Circulating Area	3/071	All walls							Solid, metal surrounds	
	Circulating Area	3/071	Ceiling							Concrete	
	Circulating Area	3/071	Ceiling	x 4						Hatches, no access above	
	Circulating Area	3/071	Ceiling, near platform							Metal ceiling, concrete above	
	Vent Room	3/762	Floor							Concrete	
	Vent Room	3/762	Floor							Hatch, no access	
	Vent Room	3/762	Wall 3	x 3					SP	Iron clad isolators, strongly presumed insulation inside	Figure 16
	Vent Room	3/762	Wall 3	x 3						Cable sleeves	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S[redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Vent Room	3/762							SP	Fan and ventilation equipment, no access to gaskets	Figure 16
	Vent Room	3/762	Wall 2	x 2						LTB heaters, two foam panels in each	
	Vent Room	3/762	Floor, wall 2							Supalux boxing	
	Top level	3/762	Floor							Metal grates	
	Top level	3/762	All walls							Solid	
	Top level	3/762	Ceiling							Concrete	
	Top level	3/762	Wall 5 by walls 2 and 4							Supalux boxing by vent equipment	
	Top level	3/762							SP	Vent equipment, same as 3/761	Figure 17
	Top level	3/762	Wall 4							Boilers, no access due to metal casing	
	Store	3/802	All walls							Solid	
	Store	3/802	Floor							Concrete	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.*High friable*	0.Good condition 1.Slight *damage* 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium *density* 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.*High*	P = presumed SP = strongly presumed *0.Non-*asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: .. [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	3/802	Ceiling							Concrete	
	Store	3/802	Centre of room							Plaster panel, no asbestos detected	
	Store	3/802	Along walls							Foam insulation	
	Stairs	1/631	Top of stairs							Above fire exit, Supalux panels	
	Circulating Area	3/071	Fire cupboard							No access	
	Booking Hall	3/001	Floor							Ceramic tile	
	Booking Hall	3/001	Floor	x 2						Hatches, no access	
	Booking Hall	3/001	Ceiling							Concrete	
	Booking Hall	3/001	All walls							Metal panel for rooms	
	Passage	3/201	Floor							Ceramic tile	
	Passage	3/201	Floor	x 1						Hatch, no access	
	Passage	3/201	All walls							Metal panels for rooms	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-04s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Disused	2/762	Floor							Quarry tiles	
	Disused	2/762	All walls							Solid	
	Disused	2/762	Ceiling							Solid	
	Disused	2/762	Ceiling							Sprayed beams	
	Disused	2/762	All walls							Electrical equipment	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
024663/12	Mess Room	2/031	Floor	10	1	1	0	2	0	Vinyl tiles	
	Mess Room	2/031	Wall 4, by wall 1							Sink, no acoustic panel	
	Mess Room	2/031	Wall 3							Wood coat hook panel	
	Mess Room	2/031	All walls							Solid	
	Mess Room	2/031	Walls 2 and 3							Metal cover over electric	
	Mess Room	2/031	False ceiling							Supalux foam tile	
	Mess Room	2/031	Above false ceiling							Concrete	
	Mess Room	2/031	Above false ceiling							Metal trays and conduits	
Same as 024663/12	Store	2/311	Floor	10	1	1	0	2	0	Vinyl floor tiles	
	Store	2/311	All walls							Solid	
	Store	2/311	Wall 2							Wood coat hook panel an *shelving*	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	2/236	False ceiling							Tiled	
	Store	2/236	Above false ceiling							Concrete	
	Store	2/236	Above false ceiling							Fibreglass lagging ceiling	
	Store	2/236	Wall 2, boxing							Wood	
	Store	2/236	Behind wall 2							Boxing	
	Store	2/236	Behind wall 2	x 9						Fibreglass lagged pipes	
	Lobby leading from (2/311)	2/237	Floor							Quarry tiles	
	Lobby leading from (2/311)	2/237	All walls							Solid	
	Lobby leading from (2/311)	2/237	Between walls 2 and 3							Wood plaster boxing	
	Lobby leading from (2/311)	2/237	Behind boxing							Cable trays	
	Lobby leading from (2/311)	2/237	False ceiling							Supalux foam tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S[redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Lobby leading from (2/311)	2/237	Above false ceiling							Metal trays and concrete	
	Corridor	2/238	Walls 1, 2 and 4							Solid	
	Corridor	2/238	Wall 3							Wood boxing part solid	
	Corridor	2/238	Behind wood boxing							Metal trays and cables	
	Corridor	2/238	False ceiling							Supalux foam tile	
	Corridor	2/238	Above false ceiling							Concrete	
	Lobby	2/081	Floor							Quarry tiles	
	Lobby	2/081	All walls							Ceramic tiles	
	Lobby	2/081	Ceiling							Solid	
	Toilets	2/416	Floor							Quarry tiles	
	Toilets	2/416	All walls							Ceramic tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: .. [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Toilets	2/416	Walls 1 and 2							Mirrors	
	Toilets	2/416	Wall 1							Wood coat hook panel	
024663/11	Toilets	2/416	Wall 3		1	1	0	2	0	Toilet system, black plastic	
	Toilets	2/416	Ceiling							Solid	
	Toilets	2/416	Ceiling	x 2						Metal vent hatch	
	Lobby	2/084	Floor							Quarry tiles	
	Lobby	2/084	All walls							Ceramic tiles	
	Lobby	2/084	Ceiling							Solid	
	Lobby	2/084	Ceiling	x 2						Metal vent hatch	
	Toilets	2/417	Floor							Quarry tiles	
	Toilets	2/417	All walls							Ceramic tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: .... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Toilets	2/417	Ceiling							Solid	
	Toilets	2/417	Wall 2						SP	Sanitary burner, strongly presumed insulation inside	Figure 18
	Toilets	2/417	Walls 2 and 3							Mirrors	
Same as 024663/2	First Toilet	2/417	Wall 4	0.3	1	1	0	2	1	Toilet cistern	Figure 1
024663/2	Second Toilet	2/417		0.3	1	1	0	2	1	Toilet cistern	Figure 1
	Second Toilet	2/417	Wall 4							Wood boxing, no access	
	Second Toilet	2/417	Floor							Quarry tile	
	Second Toilet	2/417	All walls							Solid	
	Second Toilet	2/417	Walls 2 and 3							Ceramic tile on wall	
024663/3	Second Toilet	2/417	Wall 2	0.06	1	1	0	2	1	Acoustic panel	Figure 2
	Second Toilet	2/417	False ceiling							Supalux foam tile	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: .. [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Disused	2/316	Above false ceiling							Concrete vent duct tubes	
	Disused	2/316	Wall 4							Plasterboard	
	Balcony	2/244	All walls							Concrete	
	Balcony	2/244	Floor							Concrete	
	Balcony	2/244	Banisters and signs							Metal	
	Balcony	2/244	Floor							Metal cable tray, no access below	
	Lobby	2/237	Floor							Quarry tiles	
	Lobby	2/237	All walls							Solid	
	Lobby	2/237	False ceiling							Supalux tile	
	Lobby	2/237	Above false ceiling							Concrete	
	Stairs	2/576	Floor							Quarry tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Stairs	2/576	All walls							Solid	
	Stairs	2/576	False ceiling							Supalux foam tiles	
	Stairs	2/576	Above false ceiling							Concrete	
	Store	2/411	Floor and ceiling							Concrete	
	Store	2/411	Walls 1, 3 and 4							Breeze block	
	Store	2/411	Wall 2							Solid	
	Store	2/411	Floor by wall 1							Supalux boxing at base of ducting	
	Disused	2/801	Floor							Concrete	
	Disused	2/801	All walls							Breeze block	
	Disused	2/801	Ceiling							Concrete	
	Disused	2/801	Wall 4 and ceiling							Fibreglass lagged pipes	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: ... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Disused	2/801	Framed structure							Wood and wire	
	Disused	2/801	Wall 4							Supalux panel, no access behind, wood melamine panel	
	Corridor	2/239	All walls							Solid	
	Corridor	2/240	Wall 1							Hatches metal	
	Corridor	2/240	Pipes							Fibreglass lagged	
	Corridor	2/240	False ceiling							Supalux foam tile	
	Corridor	2/240	Above false ceiling							Conduits, metal beams	
	Lobby	2/082	Floor							Quarry tile	
	Lobby	2/082	Ceiling							Solid	
	Lobby	2/082	All walls							Ceramic tile	
	Toilet	2/419	Floor							Quarry tile	
	Toilet	2/419	All walls							Ceramic tile	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Toilet	2/419	Wall 3						SP	Sanitary burner	Figure 19
024663/5	Toilet	2/419	Wall 3	0.5	1	1	0	2	0	Toilet system	
	Lobby	2/083	Floor							Quarry tile	
	Lobby	2/083	All walls							Ceramic tile	
	Lobby	2/083	Ceiling							Solid	
	Toilet	2/420	Floor							Quarry tile	
	Toilet	2/420	All walls							Ceramic tile	
	Toilet	2/420	Ceiling							Solid metal vent	
024663/6	Toilet	2/420	Wall 2	0.5	1	1	0	2	0	Toilet	
	Duct Room	2/901	Floor							Quarry tile	
	Duct Room	2/901	All walls							Ceramic tile	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: .. [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Duct Room	2/901	Ceiling							Concrete	
	Duct Room	2/901	Walls 1, 2 and 4							Fibreglass lagged pipes	
	Duct Room	2/901	Floor and walls 1 and 3							Metal ducting	
	Duct Room	2/901	Wall 4	x 2						Wood panels	
	Mess / Locker Room	2/332	Floor							Quarry tiles	
	Mess / Locker Room	2/332	All walls							Ceramic tiles	
	Mess / Locker Room	2/332	False ceiling							Supalux tiles	
	Mess / Locker Room	2/332	Above false ceiling							Concrete, fibreglass lagged pipes	
	Mess / Locker Room	2/332	Wall 1							Mirror	
	Mess / Locker Room	2/332	Wall 1							Supalux panel, no access behind	
	Mess / Locker Room	2/332	Wall 4							Wood coat hook panel	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: ... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Mess / Locker Room	2/332	Wall 3							Wooden boxing	
	Mess / Locker Room	2/332	Wall 3							Metal pipe behind	
024663/7	Mess / Locker Room	2/332	Wall 3		1	1	0	2	1	Acoustic panel	Figure 3
	Mess / Locker Room	2/332	Wall 2							Metal poster boards	
	Lobby	2/241	Floor							Quarry tiles	
	Lobby	2/241	All walls							Solid	
	Lobby	2/241	Ceiling							Solid	
	Store Room	2/761	Floor							Tiles on concrete, no asbestos detected	
	Store Room	2/761	All walls							Solid	
	Store Room	2/761	Ceiling							Concrete	
	Store Room	2/761	Wall 4	x 3						Fibreglass lagged pipes	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: ..... [redacted] .....

D235-05s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Office (from 2/241)	2/382 from 2/241	Floor							Quarry tiles	
	Office (from 2/241)	2/382 from 2/241	Wall 1							Solid	
	Office (from 2/241)	2/382 from 2/241	Wall 2							Solid part	
	Office (from 2/241)	2/382 from 2/241	Wall 2							Ceramic tile	
024663/8	Office (from 2/241)	2/382 from 2/241	Wall 2	0.06	1	1	0	1	1	Sink, acoustic panel	Figure 4
	Office (from 2/241)	2/382 from 2/241	False ceiling							Supalux tile	
	Office (from 2/241)	2/382 from 2/241	Above false ceiling							Concrete	
	Office (from 2/241)	2/382 from 2/241	Walls 3 and 4							Wood boxing, no access behind	
	Disused	2/381 (from room 2/383)									
	Disused	2/381 (from room 2/383)	Floor							Quarry tile	
	Disused	2/381 (from room 2/383)	Walls and ceiling							Solid, wood boxing	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Cable way	2/907	Floor and ceiling							Concrete	
	Cable way	2/907	All walls							Breeze block	
	Cable way	2/907	Wall 2							Supalux boxing and panels around vent equipment	
	Cable way	2/907	Wall 1							Fibreglass lagging around pipes, air vents and ducts	
	Shower Room	2/418	Floor							Quarry tile	
	Shower Room	2/418	All walls							Ceramic tile	
	Shower Room	2/418	Ceiling							Solid	
	Shower Room	2/418	Shower							Plastic / wood	
	Shower Room	2/418	Walls 2 and 3							Service hatches, all walls and ceiling solid	
	Shower Room	2/418	Floor, ceiling and side wall							Supalux panels fibreglass lagged pipes with lagging within	
	Toilet	2/421	Floor							Quarry tile	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Toilet	2/421	All walls							Ceramic tiles	
	Toilet	2/421	Ceiling							Solid	
	Toilet	2/421	Wall 2							Mirror	
	Toilet	2/421	Wall 2							Wood coat hook panel	
	Toilet	2/421	Wall 4							Wood boxing	
Same as 024663/6	Toilet	2/421	Wall 3	0.5	1	1	0	2	0	*Toilet system*	
	Disused	2/383	Floor and ceiling							Concrete	
	Disused	2/383	All walls							Solid	
	Disused	2/383	Ceiling by all walls							Fibreglass lagged pipes	
	Disused	2/383	Wall 1							Wooden melamine panel	
	Corridor (*Coming from* 2/381)	2/243	Floor							Quarry tiles	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.*High friable*	0.Good condition 1.Slight *damage* 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium *density* 2.Unencapsulated medium density or treated highly *friable* 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.*High*	P = presumed SP = strongly presumed 0.*Non-*asbestos 1.Chrysotile 2.Amphibole excluding *Crocidolite* 3. Crocidolite		

Lead Surveyor [redacted] Signed: ... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S) [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Corridor (Coming from 2/381)	2/243	All walls							Solid	
	Corridor (Coming from 2/381)	2/243	Wall 1							Supalux panel, no access behind	
	Corridor (Coming from 2/381)	2/243	Ceiling							Supalux tile	
	Corridor (Coming from 2/381)	2/243	Above ceiling	x 5						Concrete, fibreglass lagged pipes	
	Store	2/412	Floor and ceiling							Concrete	
	Store	2/412	Walls 1, 2, 3, 4 and 6							Breeze block	
	Store	2/412	Wall 5							Concrete	
	Store	2/412	Wall 6							Supalux panel above door	
	Store	2/412	Walls 2, 6 and 5							Fibreglass lagged pipes	
	Store	2/412	Wall 5, floor							Supalux boxing	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.*Moderate* damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.*Unencapsulated* medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-*asbestos* 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	2/412	Ceiling							Vent units, fibreglass lagged	
	Store	2/412	Wall 1 by wall 2							Supalux panel	
	Stairs	2/243	Wall 1						SP	Iron clad isolator, strongly presumed insulation inside	Figure 20
	Stairs	2/243	Floor							Quarry tiles	
	Stairs	2/243	All walls							Solid	
	Stairs	2/243	Ceiling							Supalux tile	
	Stairs	2/243	Above false ceiling							Concrete	
	Lobby	2/242	Floor							Concrete	
	Lobby	2/242	Wall 1							Wood boxing, no access	
	Lobby	2/242	False ceiling							Supalux tiles	
	Lobby	2/242	Above false ceiling							Fibreglass lagging	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Stairs	1/631	All walls							Solid	
	Stairs	1/631	Floor							Concrete	
	Stairs	1/631	Wall 1 by entrance							No access behind	
	Stairs	1/631	Around door							*Supalux panel*	
	Store	2/331	Floor							Quarry tile	
	Store	2/331	All walls							Solid	
	Store	2/331	Walls 1 and 2							Ceramic tile above *sink*	
024663/9	Store	2/331	Wall 2	0.06	1	1	0	2	1	Acoustic panel	Figure 5
024663/10	Store	2/331	Wall 2	0.06	1	1	0	2	1	Acoustic panel on drainer	Figure 6
	Store	2/331	Ceiling							Supalux tile	
	Store	2/331	Above ceiling							Concrete	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or *treated highly* friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole *excluding* Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Store	2/331	Wall 3							Coat hook panel	
	Service Duct	2/764	Floor and ceiling							Concrete	
	Service Duct	2/764	All walls							Solid	
	Service Duct	2/764	Wall 1-3							Fibreglass lagged pipes	
	Service Duct	2/764	Wall 3, floor							Supalux boxing	
	SPC	1/396	Floor, walls and ceiling							Solid	
	SPC	1/396	Floor							Wood debris	
	SPC	1/396	Wall 2							Fire hydrant	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] **D235-05s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Corridor	3/244	Floor							Concrete	
	Corridor	3/244	All walls							Brick	
	Switch Room	3/663	Floor							Concrete	
	Switch Room	3/663	All walls and ceiling							Solid	
	Switch Room	3/663	Wall 1							Supalux panel	
	Switch Room	3/663	Wall 1							Two poster boards, metal	
	Switch Room	3/663	Wall 2	x 6					SP	Iron clad isolators, strongly presumed insulation inside	Figure 21
	Switch Room	3/663	Wall 2						SP	Trunking	Figure 21
	Switch Room	3/663	Wall 4							Supalux panels	
	Disused	3/712	Floor							Quarry tiles	
	Disused	3/712	All walls and ceiling							Metal	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: ..... [redacted] **D235-06s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Disused	3/712	Walls 1 and 3							Cables, plastic	
	Disused	3/712	Walls 2 and 4	x 16						Cable sleeves	
	Stairs	2/631								No access due to seal and alarm	
	Platform 1	3/261								Metal casing and fire cupboard	
	Platform 1	3/261	Walls and floor							Ceramic tile	
	Platform 1	3/261	Walls and ceiling							Metal trunking, no access	
	Platform 1	3/261								Poster boards in metal casing	
	Platform 1	3/261	Metal intercom casing							Halfway along	
	Platform 1	3/261	*Vending machines*							On ceramic tile	
	Platform 1	3/261	Surround relay rooms							In metal casing	
	Platform 1 Tracking	3/261								Platform side	
	Platform 1 Tracking	3/261	Leads across to service hatches behind trunking on platforms interlinks with fire exits around exit, Supalux panelling above 3/711 fibreglass lagging								
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.*Untreated* highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: .. [redacted] .....

D235-06s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit	DATE OF SURVEY: 15/04/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Relay Room	3/711	Floor							Quarry tiles	
	Relay Room	3/711	All walls							Metal	
	Relay Room	3/711	All walls							Rubber cables and electrical equipment	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly *friable* 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding *Crocidolite* 3. Crocidolite		

Lead Surveyor: [redacted]

Signed: ..... [redacted] .....

D235-06s

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit	DATE OF SURVEY: 07/02/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Heathrow Terminal 4 Station , Invert	Near 3/711								Invert hatch near Relay Room 3/711	
	Platform side invert	Near 3/711	Inside invert							Pipework metal pit wall and platform side	
	Platform side invert	Near 3/711	Inside invert							Wall, fibreglass lagging all the way to head wall	
	Platform side invert	Near 3/711	Inside invert							Pipework	
	Platform side invert	Near 3/711	Inside invert							Overview, head wall	
	Platform side invert, approx. halfway along	Near 3/711								After second hatch, route impassable	
	Platform side, invert near stairs	Near 2/631								Head wall solid, by emergency exit	
	Platform side, invert near stairs	Near 2/631	Cable sleeves	x 2						Plastic terracotta	
	Platform side, invert near stairs	Near 2/631	Cable sleeves	x 4						Platform side, plastic terracotta	
	Platform side, invert near stairs	Near 2/631	Cable sleeves	x 6						Head wall, plastic and terracotta	
	Pit side invert	Near 3/711 Towards 3/712								All cables rubber	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor [redacted] Signed: ..... [redacted] **D235-06s**

AREA: Heathrow Terminal 4 Station	CLIENT: Rail Asbestos Control Unit	DATE OF SURVEY: 07/02/03	SURVEYOR (S): [redacted]

Sample No.	Area Surveyed		Material Description	Quantity (m^2)	Product Type	Current Condition	Surface Treatment	Potential for Disturbance	Asbestos Type	Comments and Recommendations	Photo
	Location	Room/ Plant No									
	Pit side invert	Near 3/711								Head wall overview an view through invert	
	Pit side invert	Near 3/711		x 16						Cable sleeves, terracotta	
	Pit side invert	Near 3/711		x 5						Cable sleeves terracotta, platform side	
	Pit side invert	Towards other end 3/712		x 5						Plastic cable sleeves	
			W = Wall PW = Partition wall C= Ceiling F = Floor FC = False ceiling AFC = Above false ceiling CA = Cable		1.Composite 2.Medium density 3.High friable	0.Good condition 1.Slight damage 2.Moderate damage 3.Extensive damage	0.Composite 1.Encapsulated medium density 2.Unencapsulated medium density or treated highly friable 3.Untreated highly friable	1.Very Low 2.Low 3.Medium 4.High	P = presumed SP = strongly presumed 0.Non-asbestos 1.Chrysotile 2.Amphibole excluding Crocidolite 3. Crocidolite		

Lead Surveyor: [redacted] Signed: [redacted] D235-06s

Appendix 3 : Site Plans And Locations Of Sampling

KEY :

- ● Asbestos identified in sample taken
- ⊛ Strongly presumed asbestos
- ◌ Presumed to contain asbestos
- ● No asbestos detected in sample taken

Heathrow Terminal 4
Ticket Hall

STATION LAYOUT

Produced on behalf of
Infracos BCV, JNP & SSL
by The Building Control Group (BCG)
Infraco JNP Limited

Total of 06 Drawings D235-01 to 06	Drawing number: D235-04s
Issue: 10 (2001/02)	Revision:
Survey Date: 06:11:01	Date:
Drawn by: RA	Drawn by:

Information current at date shown.
For latest information contact BCG

Heathrow Terminal 4

Mezzanine Level

STATION LAYOUT

Produced on behalf of
Infracos BCV, JNP & SSL
by The Building Control Group (BCG)
Infraco JNP Limited

Total of 06 Drawings D235-01 to 06	Drawing number: D235-05s
Issue: 10 (2001/02)	Revision:

[redacted]

Heathrow Terminal 4
Platform

STATION LAYOUT

Produced on behalf of
Infracos BCV, JNP & SSL
by The Building Control Group (BCG)
Infraco JNP Limited

Total of 06 Drawings D235-01 to 06	Drawing number: D235-06s
Issue: 10 (2001/02)	Revision:
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