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ASBESTOS SURVEY, HATTON CROSS STATION

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APPENDIX 1 : MATERIAL AND RISK ASSESSMENT VARIABLES

APPENDIX 2 : SITE SURVEY SHEETS

APPENDIX 3 : SITE PLANS AND LOCATIONS OF SAMPLING

1. Introduction

4-RAIL Services Ltd. were requested by Mr. Chris Thompson, Rail Asbestos Control Unit, Tube Lines, to survey Hatton Cross Station, for materials suspected of containing asbestos.

Type 2 or sampling surveys were undertaken during April 2003 by 4-Rail Services lead surveyors.

2. Sampling and Analysis

A Type 2 or sampling 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 at Hatton Cross 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 1-11 shows materials found to contain asbestos.

Figures 12-46 shows materials strongly presumed to contain asbestos material.

Figures 47 illustrates shows materials presumed to contain asbestos material.

These figures are typical examples of all the materials found.

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 results of analysis.

Appendix 3 contains maps and locations of sampling.

4. Conclusions

26 samples were taken**,** of which eleven were found to contain asbestos.

Asbestos was found in the following locations:

- Soffit to exterior bus garage wall, North side 10m^2
- Canopy fascia to exterior bus garage wall, North side
- Cementitious panel underneath electricity meter in Switch room 1/661 0.05m^2
- Gaskets to vent equipment in Fan Room A/776
- Cellactite sheeting on roof of Pump room 2/771
- Three cable sleeves in Pump Room 2/772
- Six cable sleeves in Platform 2 Invert near 2/414
- Four cable sleeves in Platform 1 invert (down hatch 2/414), 1 metre towards concourse
- Twelve cable sleeves in Platform 1 invert down hatch by middle hatch from 2/414, 15 metres away
- Six cable sleeves in Platform 1 invert at far end down hatch 2/712
- Two cut 10cm diameter white cables Down hatch 2/712 running towards 2/414, located 5 metres from hatch
- Eight cable sleeves Down hatch 2/712 towards cable crossover before the half way mark

Materials strongly presumed to contain asbestos:

- Rope seals behind metal glazing bars of skylight in Atrium Circulating Area 1/001
- Asbestos braided cables two x 4m visible white 10cm below manholes in Switch room 1/661
- Insulation inside iron clad isolator in Switch room 1/661
- Insulation within LUL heater in Office 1/902, wall 1 0.5m^2
- Insulation inside one iron clad isolator in Office 1/902, wall 4
- Insulation inside LTB, LUL heater in POM 1/021, wall 4
- Insulation inside LTB, LUL heater in Office 1/311, wall 3
- Insulation inside LTB, LUL heater in Mess room 1/031, wall 1
- Insulation inside Westinghouse boxes wall 1 and wall 4 in Lobby 2/081
- Two x 1cm diameter white cables
  Two x 1cm diameter green cables
  One x 2cm diameter brown cables
  Three x 1cm diameter green cables
  Four x1cm diameter white cables
  Two x 1cm diameter brown cables
  One x 2cm diameter green cables
  Four x 1cm diameter green cables in Lobby 2/081 between walls 2 & 3 cables to invert and to IMR wall 3
- One x 1cm diameter green cable
  One x 1 cm diameter white cable
  One x 1cm diameter brown cable in Lobby 2/081 Invert to track wall 1
- Eight x 1cm diameter green cables

Three x 1cm diameter white cables
Two x 4cm diameter green cables
One x 3cm diameter white cable in Lobby 2/081 invert to IMR, wall 1

- Joints box on wall 1 and wall 3 in Relay Room 2/712
- Insulation inside six iron clad isolators in Switch room 2/661, wall 2
- Insulation inside two iron clad isolators in Switch room 2/661, wall 4
- Ten cable ducts filled in, in Switch room 2/661, on floor
- One x 2cm diameter white cable from box on mezzanine gate in Open area 2/414
- Four x 1cm diameter white cables
  Four x 1cm diameter green cables
  One x 4cm diameter green cable
  Three x 4cm diameter green cables
  One x 4cm diameter green cable
  One x 1cm diameter white cable in Open area cable run eastbound cable hangers 2/414
- Three x 1cm diameter white cables
  Three x 1cm diameter green cables
  One x 1cm diameter white cable
  One x 1cm diameter cable in Open area cable run westbound cable hangers and trackside wall 2/414
- One x 10cm diameter white cable in Open area westbound side track side wall 2/414
- Insulation inside for Westinghouse boxes in Open area westbound side track side wall 2/414
- Insulation inside Westinghouse box and Two x 4cm green cables in Wall by invert Eastbound side 2/414
- Six cable sleeves in each encapsulated in concrete in Wall by invert Eastbound side and Westbound side 2/414
- One cable sleeve filled in 6m from entrance in Platform 1 concourse invert near 2/081
- Seven gaskets on pump equipment 7m from entrance in Platform 1 concourse invert near 2/081
- Insulation inside three metal fuse boxes 10m from hatch in Platform 2 concourse invert hatch near 2/081
- Six x 1cm diameter white, 5m length visible cable in Platform 2 invert down hatch near 2/414
- Five x 1cm diameter green, 5m length visible cable in Platform 2 invert down hatch near 2/414
- Three x 2cm diameter green, 15m length cable in Platform 2 invert down hatch near 2/414
- Cables cut in Platform 2 invert 25 metres from entrance
- Two Westinghouse boxes, potential chrysotile rope door seals in Platform 2 invert
- Cables, 2 x 25 metres and 2 x 20 metres, white in Platform 2 invert near 2/732
- Three x 1cm diameter cables in Platform 1 invert down hatch 2/414 along platform side
- One x 1cm diameter green cable in Platform 1 invert down hatch 2/414 down platform side
- One x 40cm diameter cables in Platform 1 invert down hatch 2/414 down pit side
- Two x 5cm diameter cables in Platform 1 invert down hatch 2/414 down platform side

- Two cut cables in Platform 1 invert down hatch 2/414 from concourse side along pit wall side
- One 40cm and six other cables in Platform 1 invert half way along, pit wall to concourse side, other cables crossing between concourse and invert
- One x 1.5cm diameter cable in Platform 1 invert from end hatch near room 2/712, pit side
- One x 1cm diameter cable in Platform 1 invert from end hatch near room 2/712 from concourse to pit wall then along invert
- Two x 5cm diameter and one x 1cm diameter cable in Platform 1 invert from end hatch near room 2/712 halfway down concourse, running down concourse side
- Seven x 1cm diameter cable in Platform 1 invert from end hatch near room 2/712
- Insulation inside LUL heater in Mess room 2/331
- Insulation inside LUL heater in Office 2/291
- Two train indication signs on ceiling (Melamine) from ticket hall to stairs 1/601 and 1/604

Materials presumed to contain asbestos:

- Gaskets within Vent duct by stairs to entrance exterior canopy

Access could not be gained to the following locations:

- Above false ceiling in Tenancy 1/451
- Below two man holes in Circulation area / Booking hall 1/001
- Below duct 4m long on floor of Circulation area / Booking hall 1/001
- Above false ceiling in circulating area 1/201
- Cable ducts on all walls in Switch room 2/662
- Below man holes on floor in Toilet 2/419
- Above metal grills on ceiling Platform 1 Westbound
- Into narrow passage 15m from entrance on pit wall down hatch near 2/081 in Platform 1 concourse invert
- Below metal pipes on floor down hatch near 2/081 in Platform 2 concourse invert

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. 024661/6 – Description and Analysis Results

Sample number	024661/6
Location	Exterior bus Garage wall, North side
Description	Soffit 10m^2
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	3

Sample number	024661/8
Location	Exterior bus Garage wall, North side
Description	Canopy fascia
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	3

Figure 2: Sample No. 024661/10 – Description and Analysis Results

Sample number	024661/10
Location	Switch room 1/661
Description	Cementitious panel underneath electricity meter 0.05m^2
Product Type	Composite
Current Condition	Good condition
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	2
Potential for disturbance	Low
Risk Assessment Factor	4

Figure 3: Sample No. 024661/9 – Description and Analysis Results

Sample number	024661/9
Location	Fan Room A/776
Description	Gaskets to vent equipment
Product Type	Medium density
Current Condition	Slight damage
Surface Treatment	Untreated highly friable
Asbestos Content	Chrysotile
Material Assessment Factor	7
Potential for disturbance	Low
Risk Assessment Factor	14

Figure 4: Sample No. 024661/8 – Description and Analysis Results

Sample number	024661/8
Location	Pump room 2/771
Description	Cellactite sheeting on roof
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

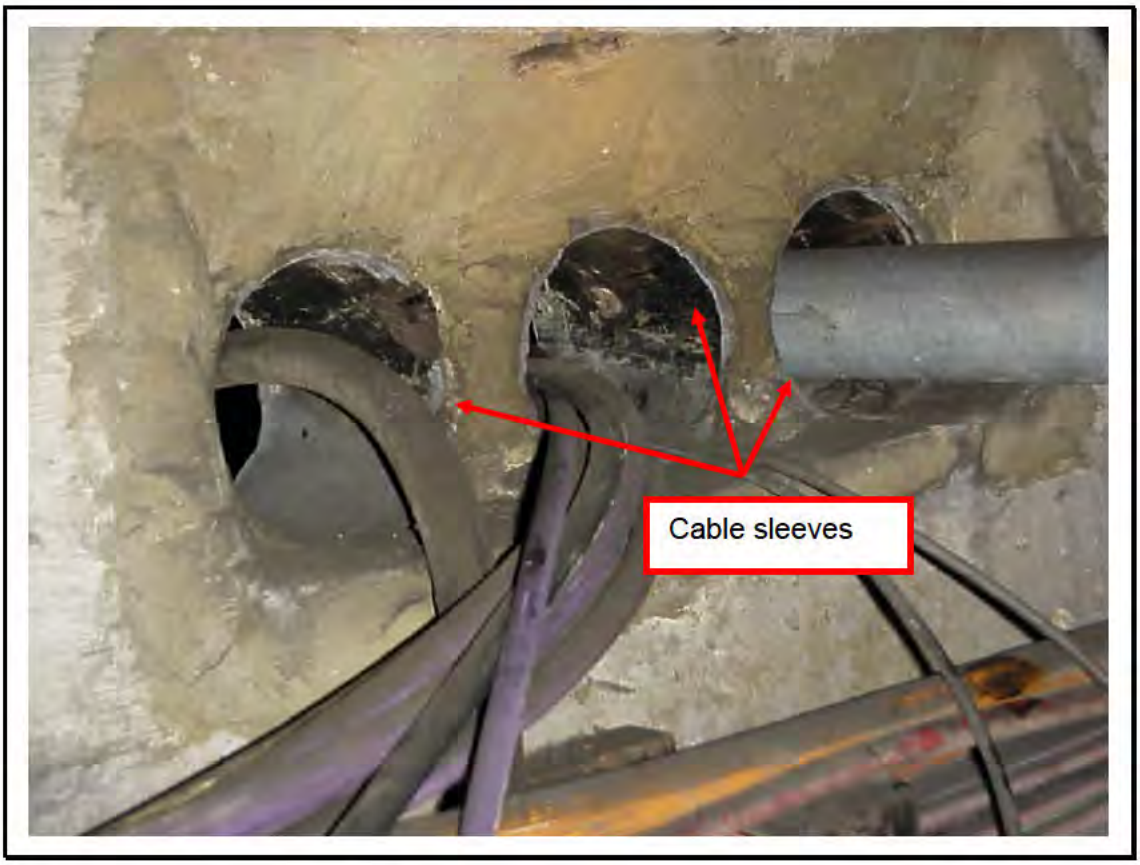
Figure 5: Sample No. 024661/19 – Description and Analysis Results

Sample number	024661/19
Location	Pump Room 2/772
Description	Three cable sleeves
Product Type	Composite
Current Condition	Extensive damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	5
Potential for disturbance	Low
Risk Assessment Factor	10

Figure 6: Sample No.024661/15 – Description and Analysis Results

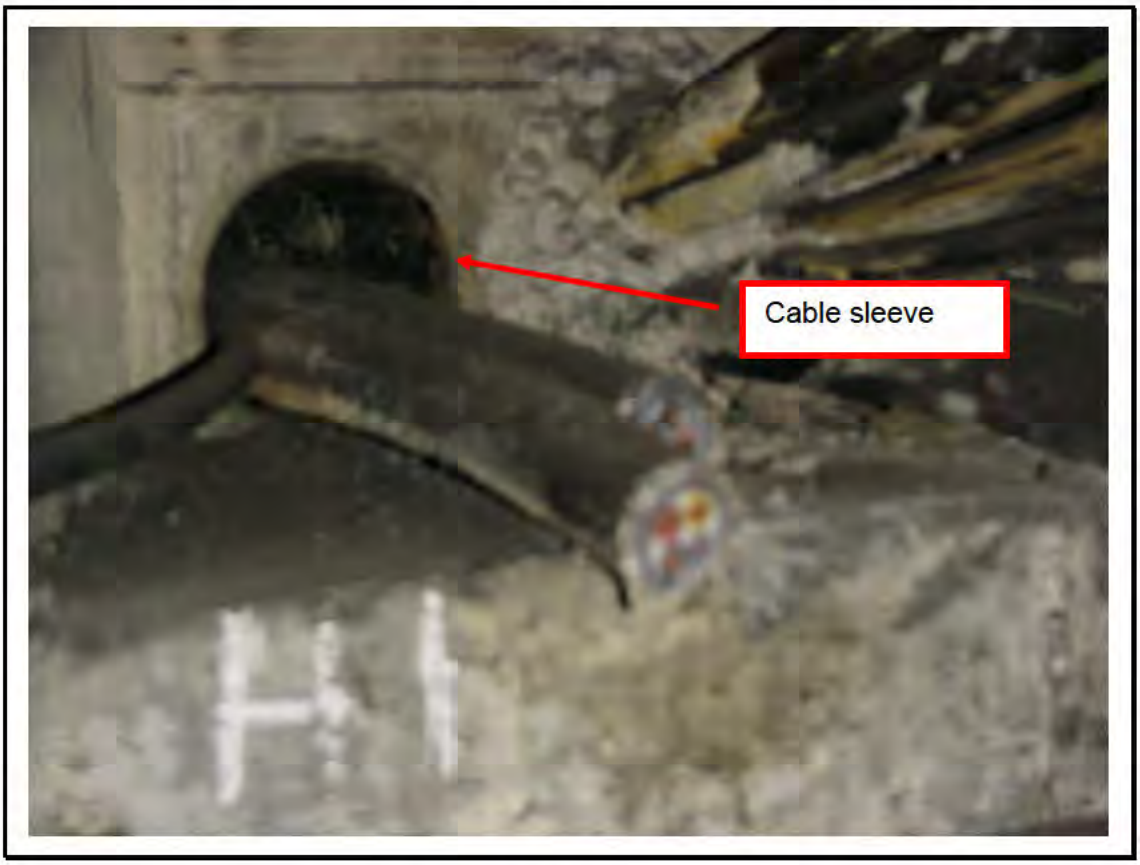
Sample number	024661/15
Location	Platform 2 Invert near 2/414
Description	Six cable sleeves
Product Type	Composite
Current Condition	Slight damage
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	*3*
Potential for disturbance	Low
Risk Assessment Factor	*6*

Figure 7: Sample No.024248/3 – Description and Analysis Results



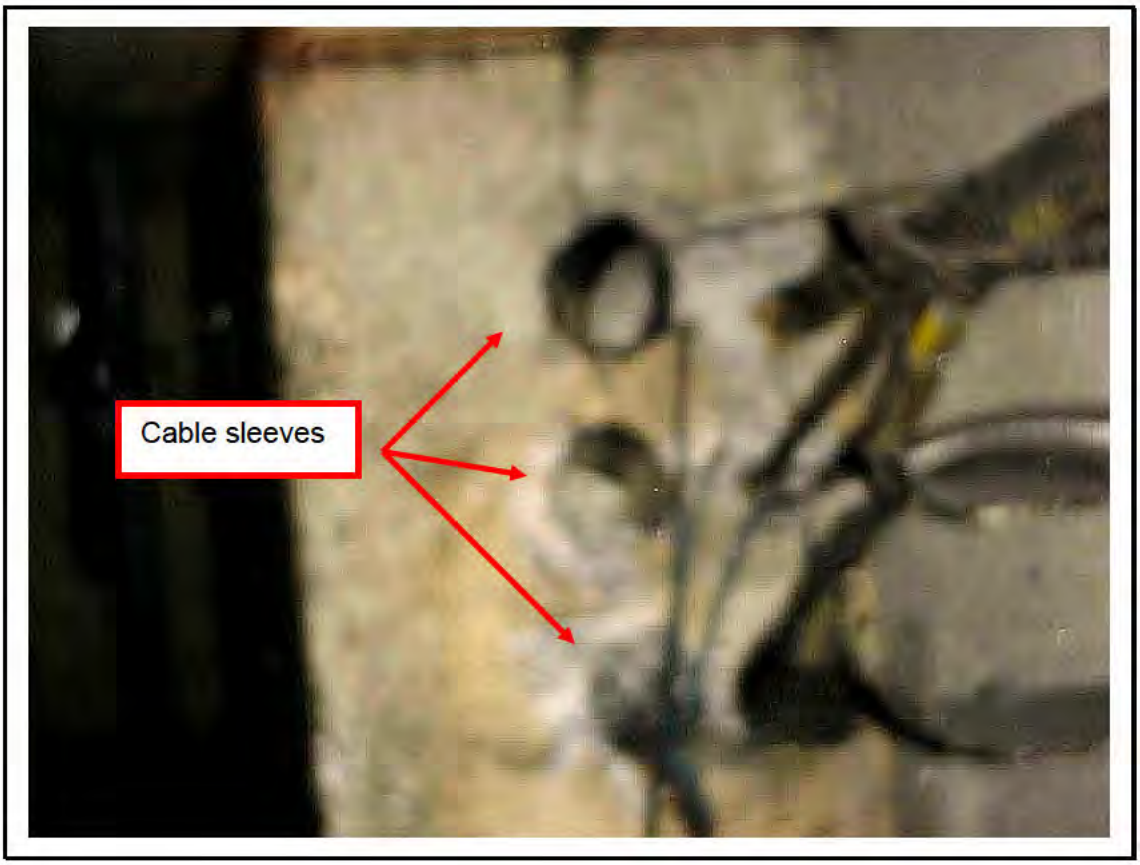
Sample number	024894/3
Location	Platform 1 invert (down hatch 2/414), 1 metre towards concourse
Description	Four cable sleeves
Product Type	Composite
Current Condition	Good condition
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	*3*
Potential for disturbance	Low
Risk Assessment Factor	*4*

Figure 8: Same as Sample No.024248/3 – Description and Analysis Results



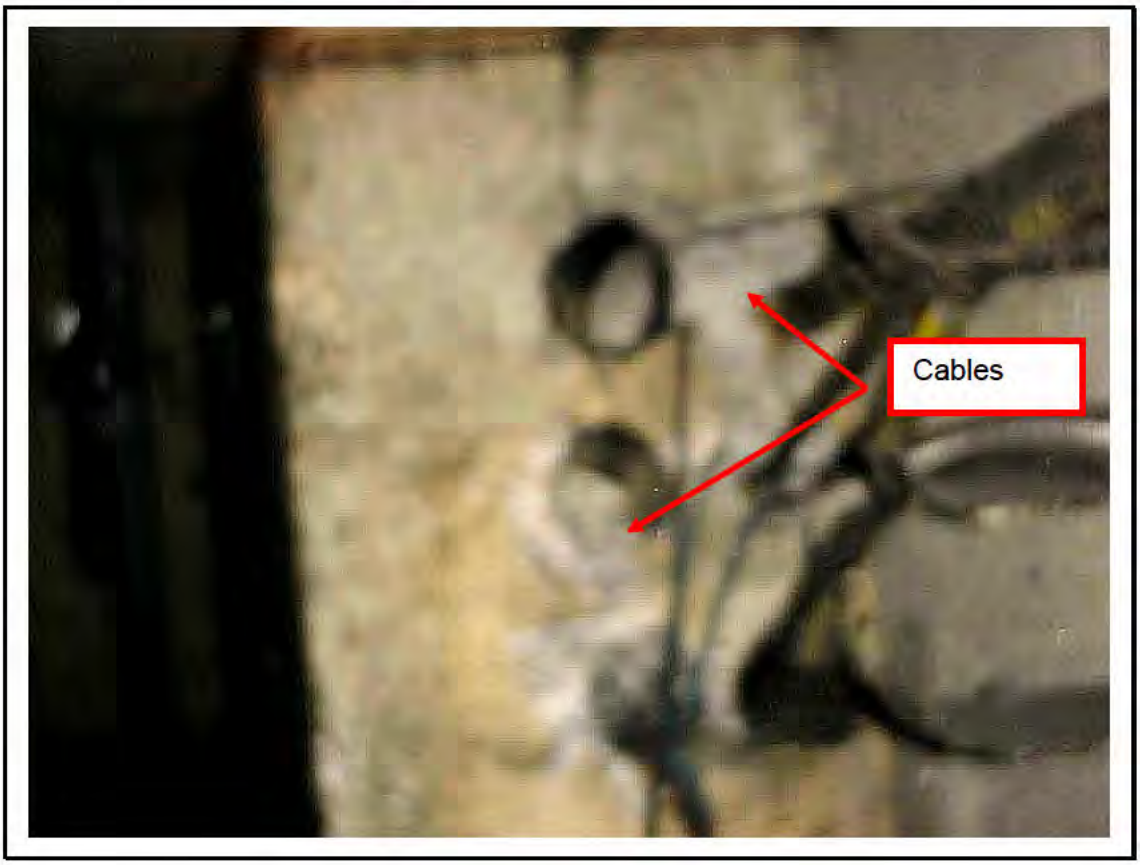
Sample number	024248/3
Location	Platform 1 invert down hatch by middle hatch from 2/414, 15 metres away
Description	Twelve cable sleeves
Product Type	Composite
Current Condition	Good
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	*2*
Potential for disturbance	Low
Risk Assessment Factor	*4*

Figure 9: Sample No.024248/4 – Description and Analysis Results



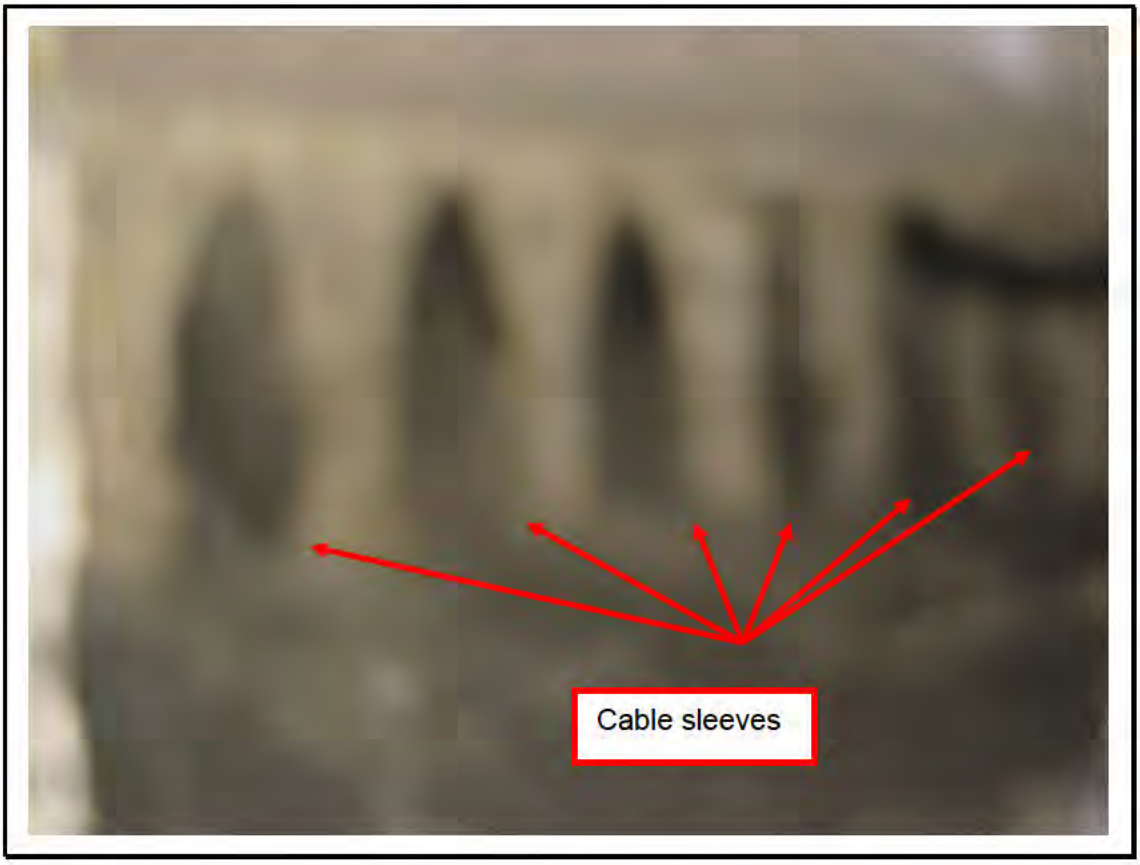
Sample number	024248/4
Location	Platform 1 invert at far end down hatch 2/712
Description	Six cable sleeves
Product Type	Composite
Current Condition	Good
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	*2*
Potential for disturbance	Low
Risk Assessment Factor	*4*
Potential for disturbance	Low
Risk Assessment Factor	12

Figure 10: Sample No.024248/6 – Description and Analysis Results



Sample number	024248/6
Location	Down hatch 2/712 running towards 2/414, located 5 metres from hatch
Description	Two cut 10cm diameter white cables
Product Type	Highly friable
Current Condition	Extensive damage
Surface Treatment	Untreated highly friable
Asbestos Content	Chrysotile
Material Assessment Factor	10
Potential for disturbance	Medium
Risk Assessment Factor	30

Figure 11: Sample No.024248/5 – Description and Analysis Results



Sample number	024248/5
Location	Down hatch 2/712 towards cable crossover before the half way mark
Description	Eight cable sleeves
Product Type	Composite
Current Condition	Good condition
Surface Treatment	Composite
Asbestos Content	Chrysotile
Material Assessment Factor	*2*
Potential for disturbance	Low
Risk Assessment Factor	*4*

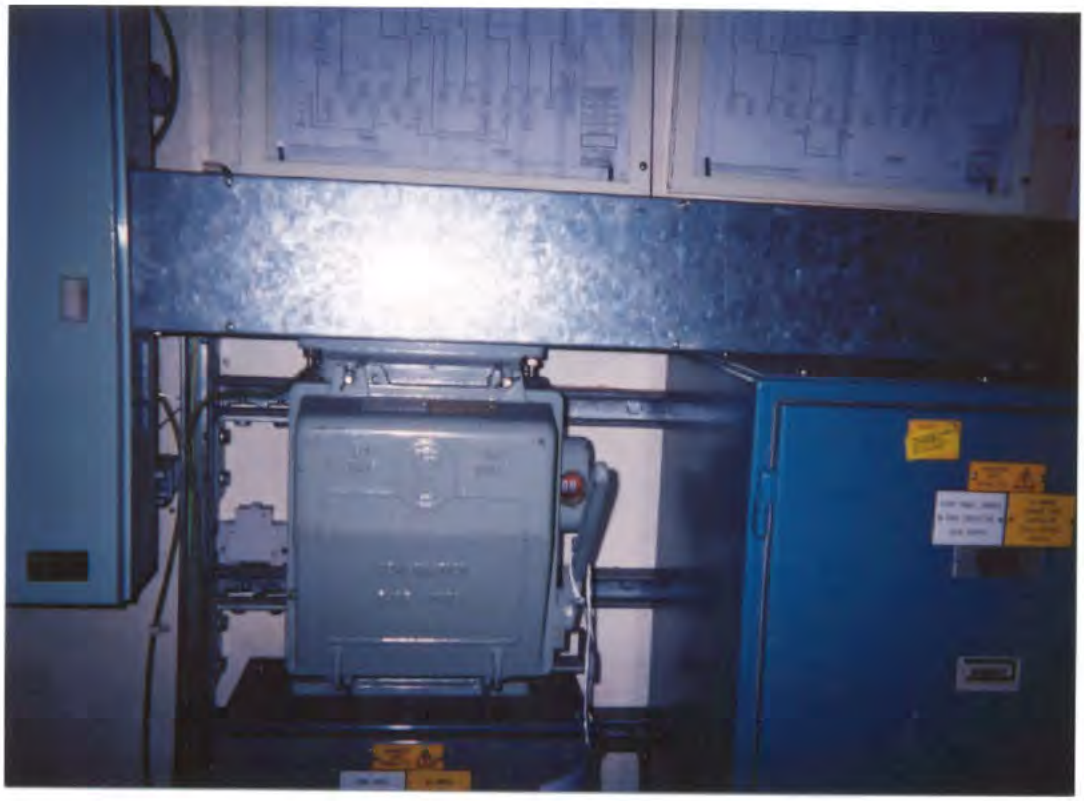
Figure 12: Material Strongly Presumed To Contain Asbestos

Location	Atrium Circulating Area 1/001
Description	Rope seals between metal glazing bars of glass canopy

Figure 13: Material Strongly Presumed To Contain Asbestos

Location	Switch room 1/661
Description	Asbestos braided cables two x 4m visible white 10cm below manholes

Figure 14: Material Strongly Presumed To Contain Asbestos



Location	Switch room 1/661
Description	Insulation inside iron clad isolator

Figure 15: Material Strongly Presumed To Contain Asbestos

Location	Office 1/902, wall 1
Description	Insulation within LUL heater 0.5m^2

Figure 16: Material Strongly Presumed To Contain Asbestos

Location	Office 1/902, wall 4
Description	Insulation inside one iron clad isolator

Figure 17: Material Strongly Presumed To Contain Asbestos

Location	POM 1/021, wall 4
Description	Insulation inside LTB, LUL heater

Figure 18: Material Strongly Presumed To Contain Asbestos

Location	Office 1/311, wall 3
Description	Insulation inside LTB, LUL heater

Figure 19: Material Strongly Presumed To Contain Asbestos

Location	Mess room 1/031, wall 1
Description	Insulation inside LTB, LUL heater

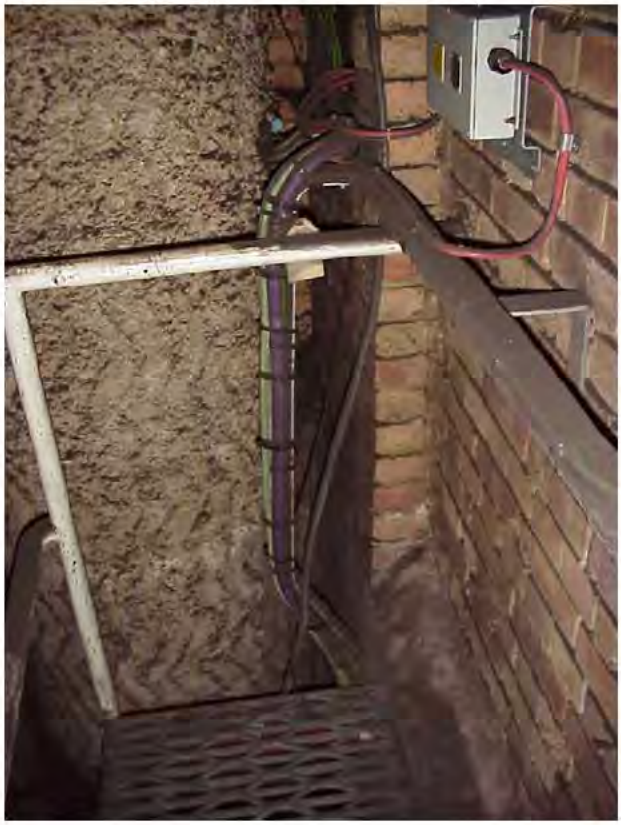
Figure 20: Material Strongly Presumed To Contain Asbestos

Location	Lobby 2/081
Description	Insulation inside Westinghouse boxes wall 1 and wall 4

Figure 21: Material Strongly Presumed To Contain Asbestos

Location	Lobby 2/081 between walls 2 & 3 cables to invert and to IMR wall 3
Description	Two x 1cm diameter white cables Two x 1cm diameter green cables One x 2cm diameter brown cables Three x 1cm diameter green cables Four x1cm diameter white cables Two x 1cm diameter brown cables One x 2cm diameter green cables Four x 1cm diameter green cables

Figure 22: Material Strongly Presumed To Contain Asbestos



Location	Lobby 2/081 Invert to track wall 1
Description	One x 1cm diameter green cable One x 1 cm diameter white cable One x 1cm diameter brown cable

Figure 23: Material Strongly Presumed To Contain Asbestos

Location	Lobby 2/081 invert to IMR, wall 1
Description	Eight x 1cm diameter green cables Three x 1cm diameter white cables Two x 4cm diameter green cables One x 3cm diameter white cable

Figure 24: Material Strongly Presumed To Contain Asbestos

Location	Relay Room 2/712
Description	Joints box on wall 1 and wall 3

Figure 25: Material Strongly Presumed To Contain Asbestos

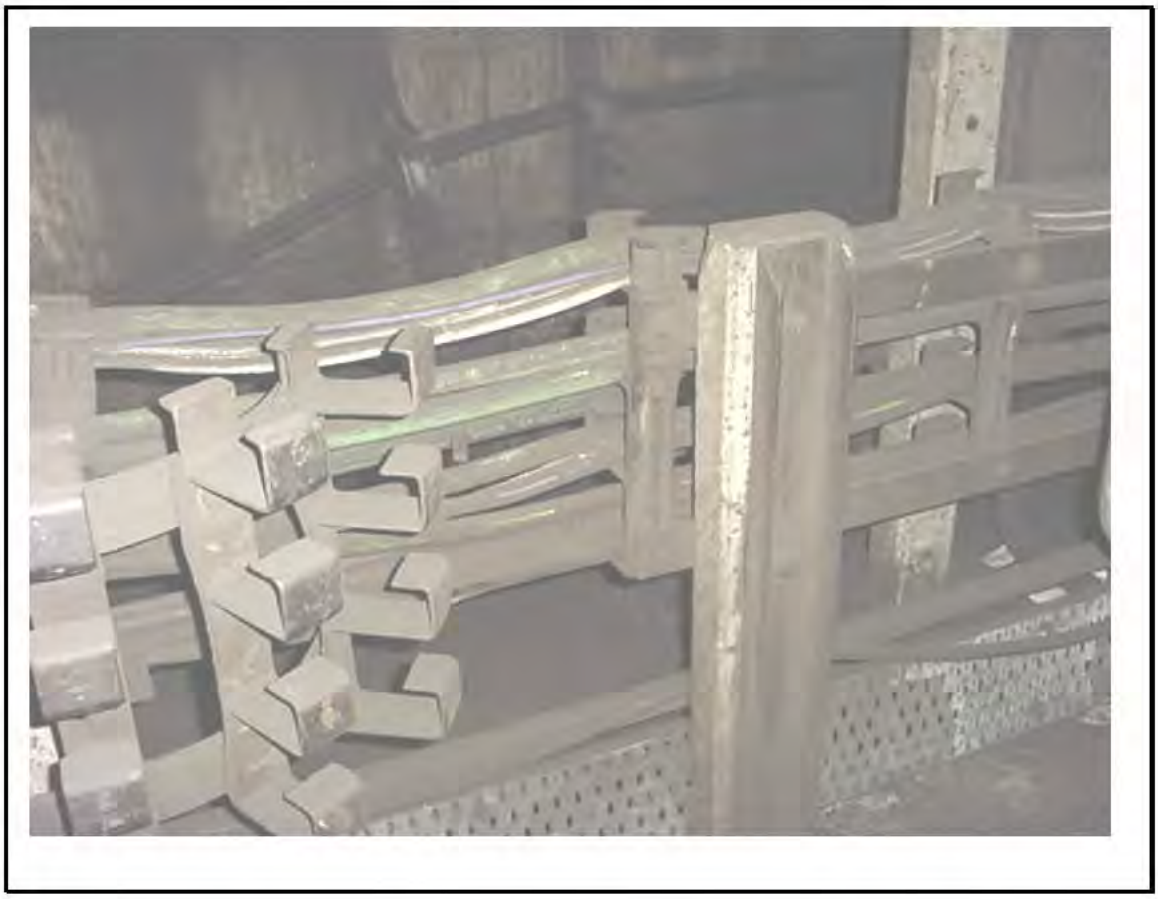
Location	Switch room 2/661, wall 2
Description	Insulation inside six iron clad isolators

Location	Switch room 2/661, wall 4
Description	Insulation inside two iron clad isolators

Location	Switch room 2/661, on floor
Description	Ten cable ducts filled in

Location	Open area 2/414
Description	One x 2cm diameter white cable from box on mezzanine gate

Figure 26: Material Strongly Presumed To Contain Asbestos

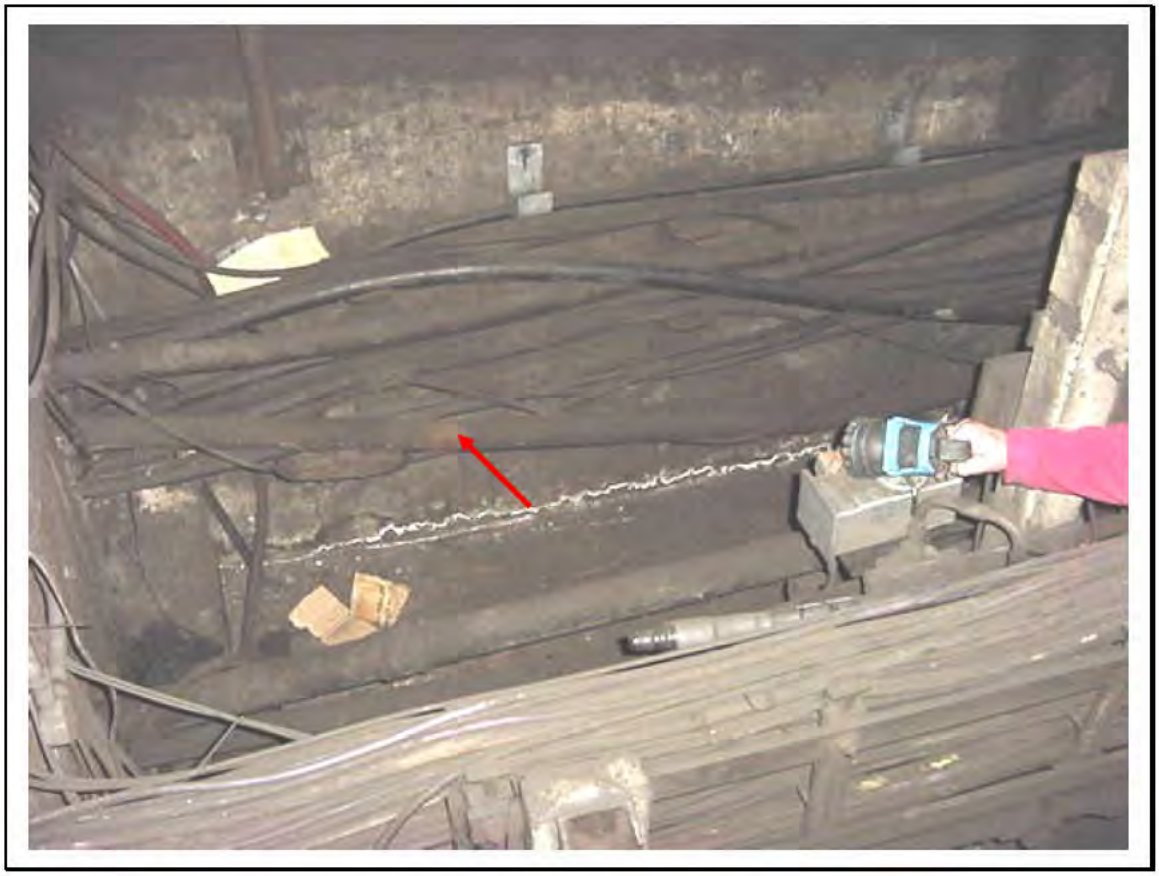


Location	Open area cable run eastbound cable hangers 2/414
Description	Four x 1cm diameter white cables Four x 1cm diameter green cables One x 4cm diameter green cable Three x 4cm diameter green cables One x 4cm diameter green cable One x 1cm diameter white cable

Figure 27: Material Strongly Presumed To Contain Asbestos

Location	Open area cable run westbound cable hangers and trackside wall 2/414
Description	Three x 1cm diameter white cables Three x 1cm diameter green cables One x 1cm diameter white cable One x 1cm diameter cable

Figure 28: Material Strongly Presumed To Contain Asbestos



Location	Open area westbound side track side wall 2/414
Description	One x 10cm diameter white cable

Figure 29: Material Strongly Presumed To Contain Asbestos

Location	Open area westbound side track side wall 2/414
Description	Insulation inside for Westinghouse boxes

Figure 30: Material Strongly Presumed To Contain Asbestos

Location	Wall by invert Eastbound side 2/414
Description	Insulation inside Westinghouse box and Two x 4cm green cables

Location	Wall by invert Eastbound side and Westbound side 2/414
Description	Six cable sleeves in each encapsulated in concrete

Figure 31: Material Strongly Presumed To Contain Asbestos

Location	Platform 1 concourse invert near 2/081
Description	One cable sleeve filled in 6m from entrance

Location	Platform 1 concourse invert near 2/081
Description	Seven gaskets on pump equipment 7m from entrance

Figure 32: Material Strongly Presumed To Contain Asbestos

Location	Platform 2 concourse invert hatch near 2/081
Description	Insulation inside three metal fuse boxes 10m from hatch

Figure 33: Material Strongly Presumed To Contain Asbestos

Location	Platform 2 invert down hatch near 2/414
Description	Six x 1cm diameter white, 5m length visible cable

Location	Platform 2 invert down hatch near 2/414
Description	Five x 1cm diameter green, 5m length visible cable

Location	Platform 2 invert down hatch near 2/414
Description	Three x 2cm diameter green, 15m length cable

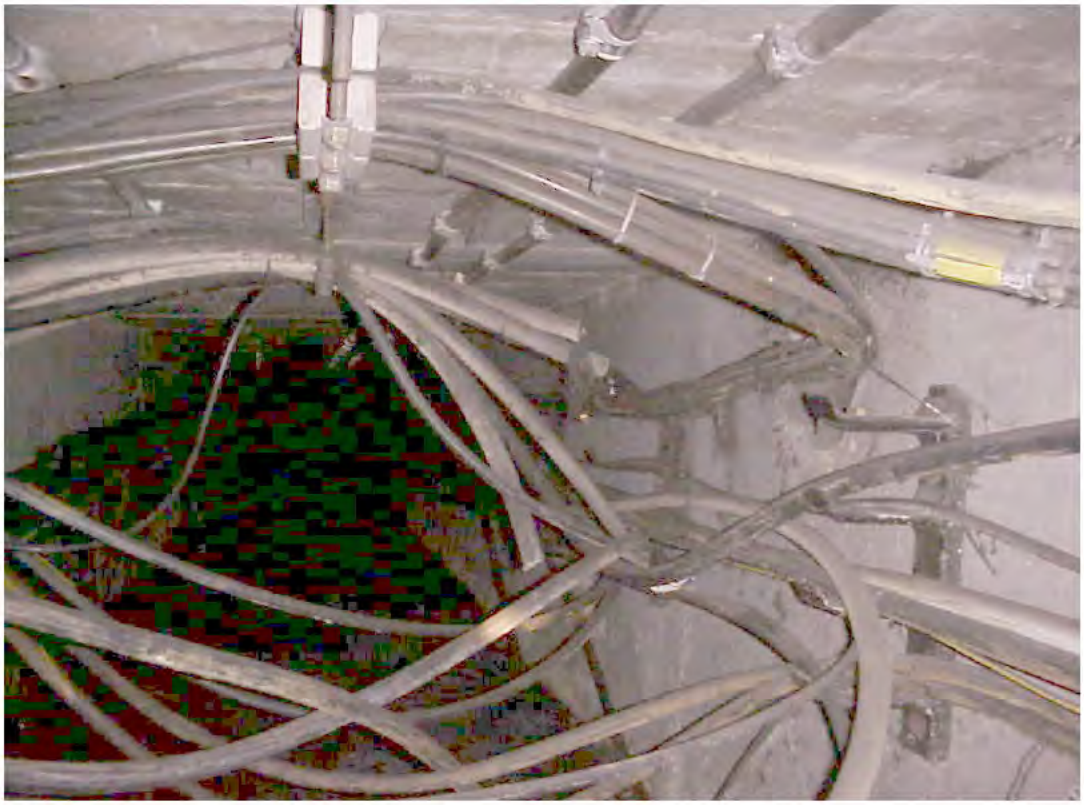
Figure 34: Material Strongly Presumed To Contain Asbestos

Location	Platform 2 invert 25 metres from entrance
Description	Cables cut

Figure 35: Material Strongly Presumed To Contain Asbestos

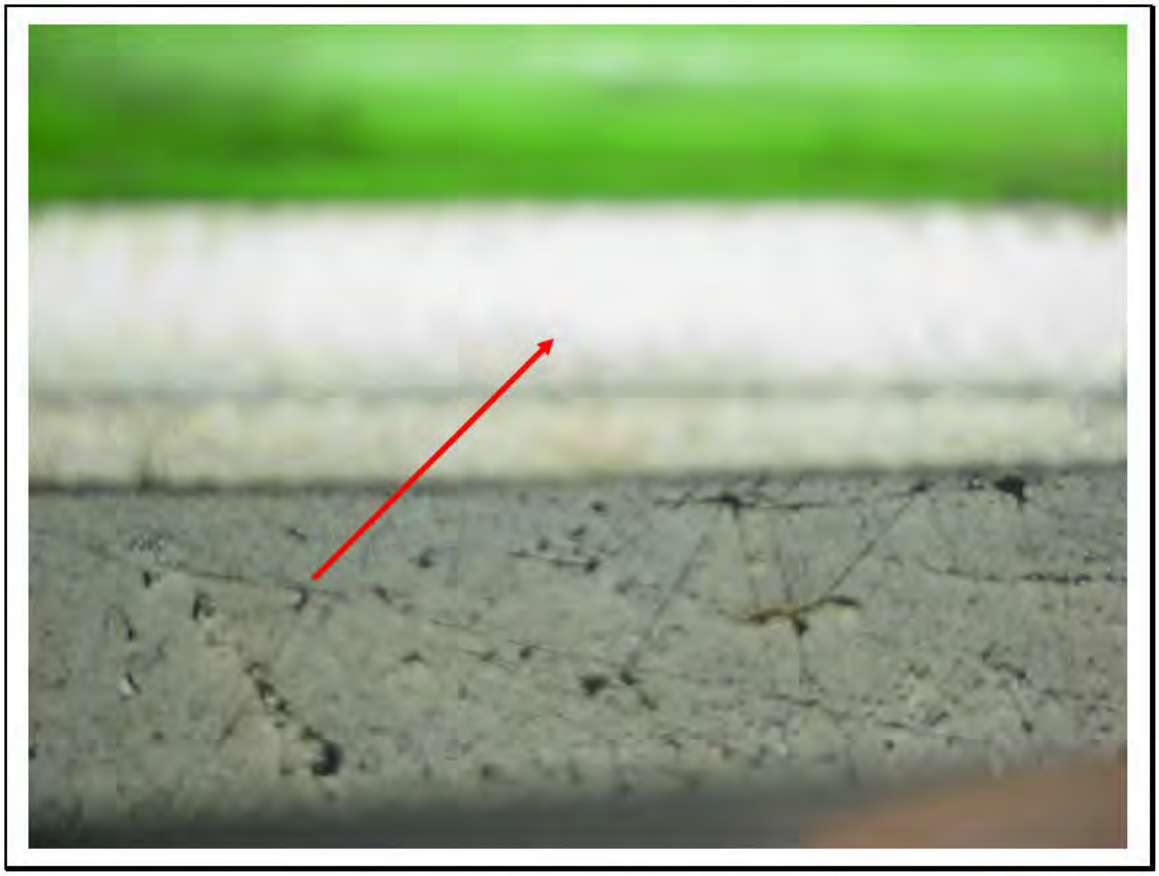
Location	Platform 2 invert
Description	Two Westinghouse boxes, potential chrysotile rope door seals

Figure 36: Material Strongly Presumed To Contain Asbestos



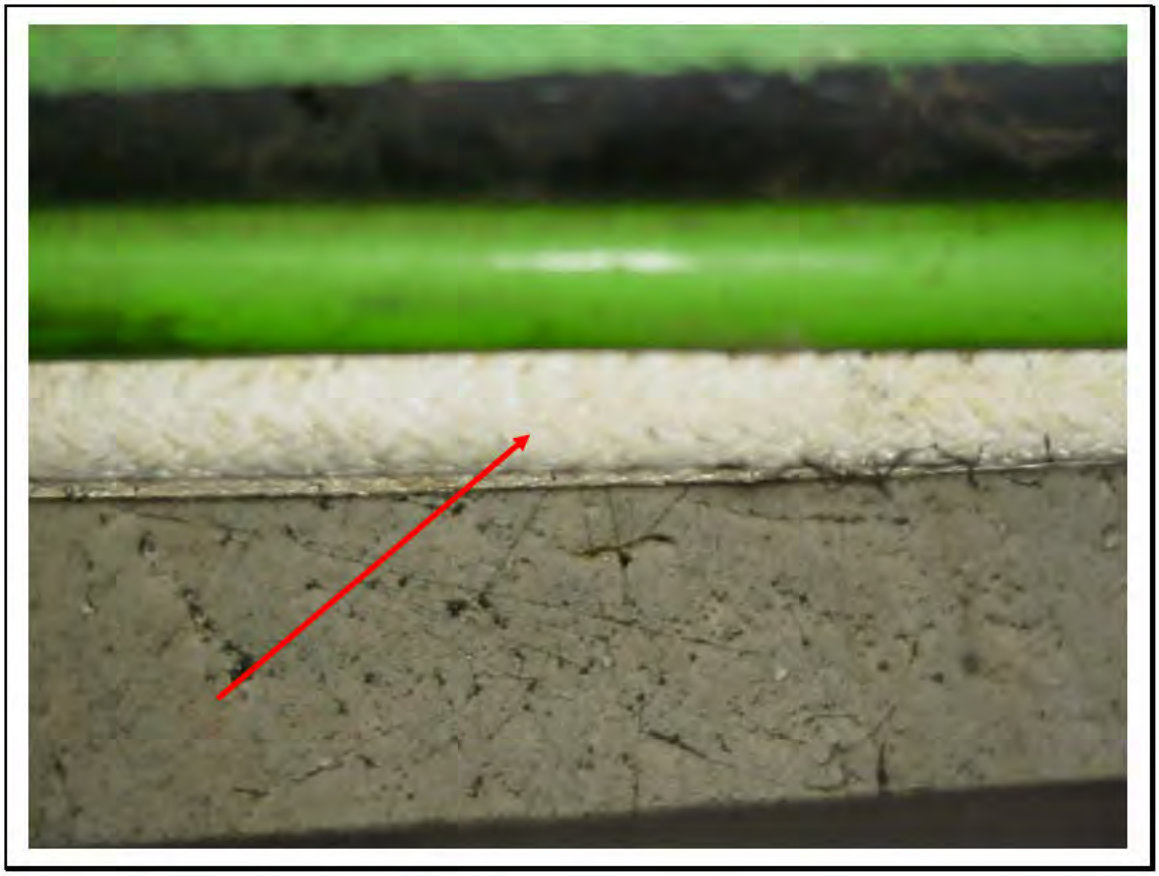
Location	Platform 2 invert near 2/732
Description	Cables, 2 x 25 metres and 2 x 20 metres, white

Figure 37: Material Strongly Presumed To Contain Asbestos



Location	Platform 1 invert down hatch 2/414 along platform side
Description	Three x 1cm diameter cables

Figure 38: Material Strongly Presumed To Contain Asbestos

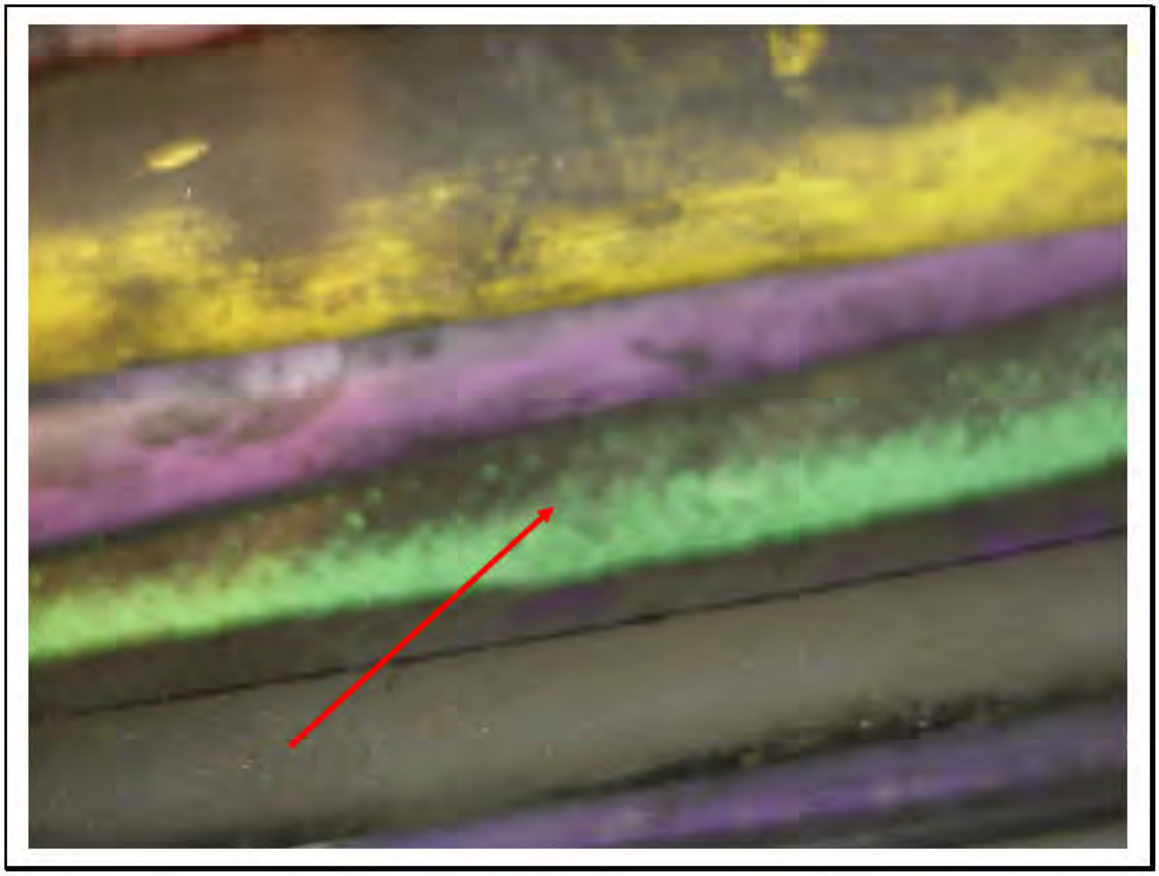


Location	Platform 1 invert down hatch 2/414 down platform side
Description	One x 1cm diameter green cable

Figure 39: Material Strongly Presumed To Contain Asbestos

Location	Platform 1 invert down hatch 2/414 down pit side
Description	One x 40cm diameter cables

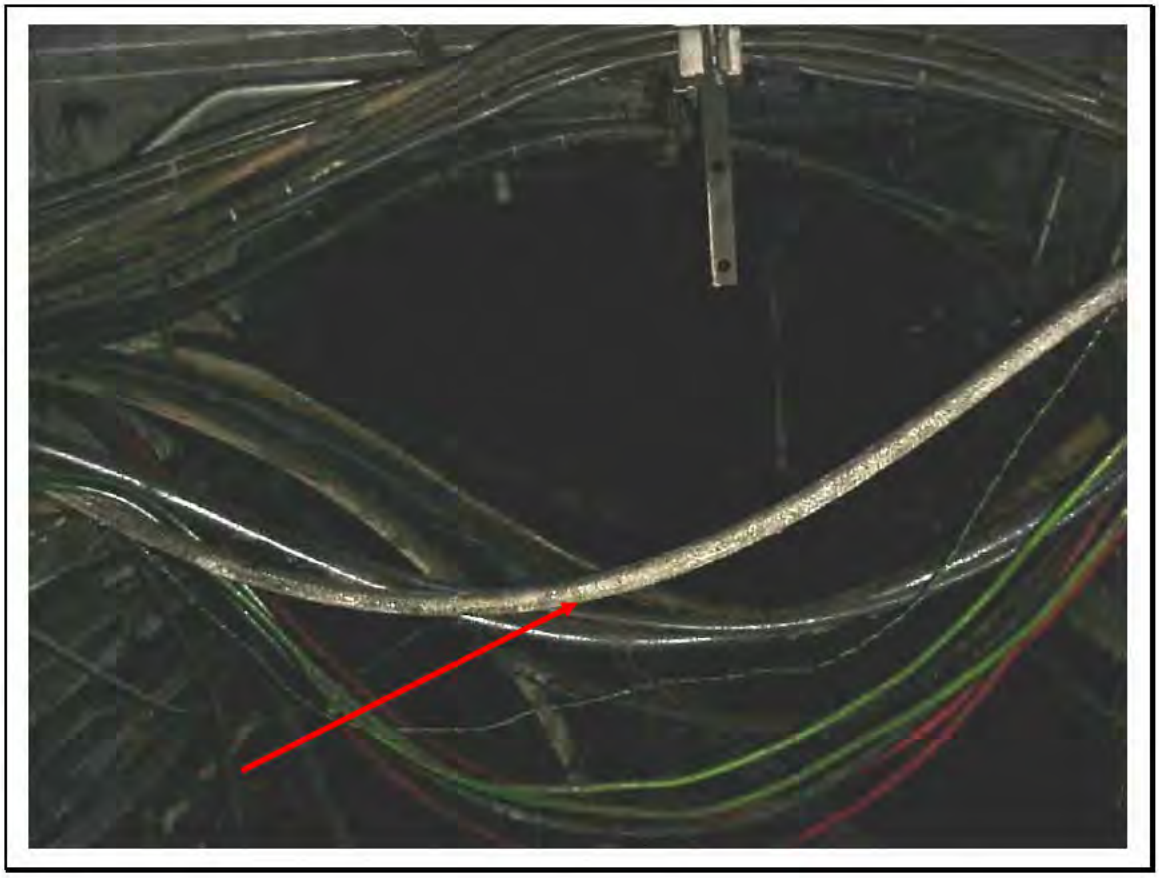
Figure 40: Material Strongly Presumed To Contain Asbestos



Location	Platform 1 invert down hatch 2/414 down platform side
Description	Two x 5cm diameter cables

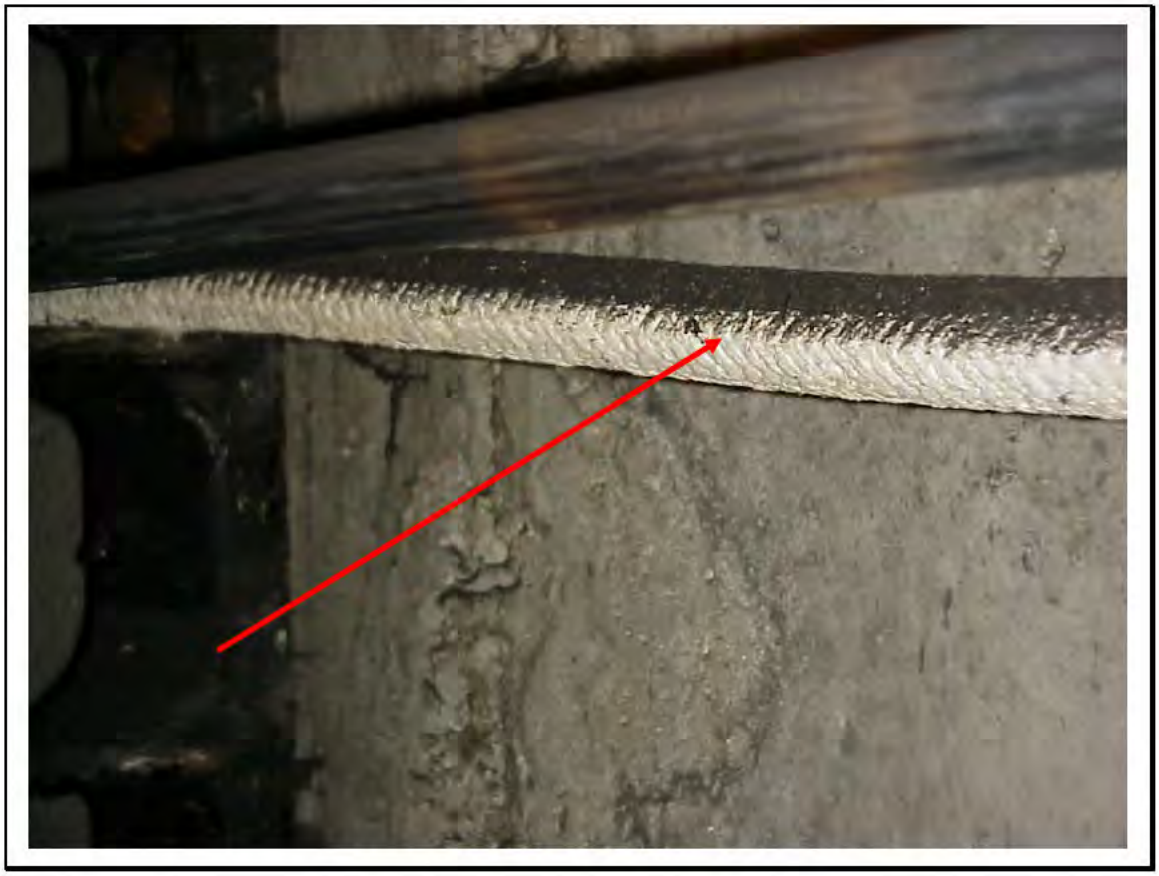
Location	Platform 1 invert down hatch 2/414 from concourse side along pit wall side
Description	Two cut cables

Figure 41: Material Strongly Presumed To Contain Asbestos



Location	Platform 1 invert half way along, pit wall to concourse side, other cables crossing between concourse and invert
Description	One 40cm and six other cables

Figure 42: Material Strongly Presumed To Contain Asbestos

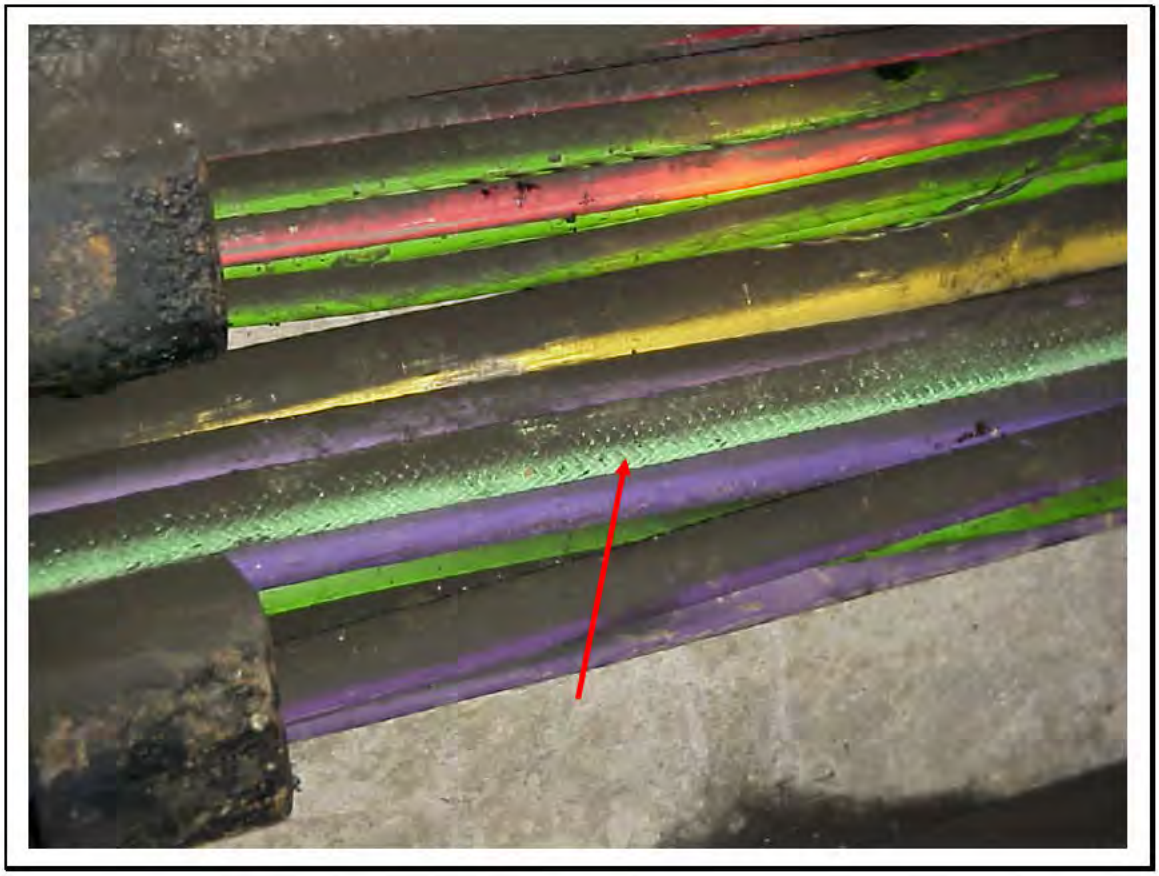


Location	Platform 1 invert from end hatch near room 2/712, pit side
Description	One x 1.5cm diameter cable

Figure 43: Material Strongly Presumed To Contain Asbestos

Location	Platform 1 invert from end hatch near room 2/712 from concourse to pit wall then along invert
Description	One x 1cm diameter cable

Figure 44: Material Strongly Presumed To Contain Asbestos



Location	Platform 1 invert from end hatch near room 2/712 halfway down concourse, running down concourse side
Description	Two x 5cm diameter and one x 1cm diameter cable

Figure 45: Material Strongly Presumed To Contain Asbestos

Location	Platform 1 invert from end hatch near room 2/712
Description	Seven x 1cm diameter cable

Figure 46: Material Strongly Presumed To Contain Asbestos

Location	Mess room 2/331
Description	Insulation inside LUL heater

Location	Office 2/291
Description	Insulation inside LUL heater

Location	From ticket hall to stairs 1/601 and 1/604
Description	Two train indication signs on ceiling (Melamine)

Figure 47: Material Presumed To Contain Asbestos

Location	By stairs to entrance exterior canopy
Description	Gaskets within Vent duct

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.

Appendix 2 : Site Survey Sheets

Asbestos Survey, Finsbury Park Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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									
	Atrium Circulating Area	1/001	Floor							Paving slabs	
	Atrium Circulating Area	1/001	Walls							Solid tiles	
	Atrium Circulating Area	1/001	Walls							Rubber beading glass in aluminium	
	Atrium Circulating Area	1/001	Skylight						SP	Aluminium glazing bar, potential Chysotile rope under metal glazing bars	Figure 12
024661/5	Atrium Circulating Area	1/001	Artex on reveal to skylight	30	1	3	0	2	0	Textured paint on Supalux, potential asbestos (Artex)	
024661/4	Atrium Circulating Area	1/001	Artex on beam over entrance to station	7	1	1	0	2	0	Textured paint on plasterboard, potential asbestos (Artex)	
	Atrium Circulating Area	1/001	False ceiling							Fibreboard	
	Atrium Circulating Area	1/001	False ceiling	0.5						Two replacement Supalux panels by tenancy 1/451	
024661/3	Atrium Circulating Area	1/001	Planters	3	1	0	0	1	0	Fibre reinforced concrete	
	Tenancy	1/451	Walls							Glass with aluminium glazing bars, rubber seals	
	Tenancy	1/451	Walls							Wood panels above first two rows of glass	
			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] ...

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Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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	1/451	Walls							Interior of shop metal shelves	
	Tenancy	1/451	Floor							Tiles	
	Tenancy	1/451	False ceiling							Supalux tiles	
	Tenancy	1/451	Above false ceiling							No access, shelves of goods	
	Tenancy	1/451	Sign hoarding above tenancy							Plasterboard	
	South Entrance Exterior		Canopy							Part concrete and steels	
	South Entrance Exterior		Canopy by entrance doors							Supalux ceiling tiles, no access above	
	South Entrance Exterior		Sides to canopy, false ceiling							Wood and Supalux	
	South Entrance Exterior		Exterior wall							Tiles, concrete	
	South Entrance Exterior		Exterior wall							Window aluminium glazing bars, rubber seals	
	South Entrance Exterior		Information board, pillar							Melamine on plywood	
			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	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]

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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 to Roof	Access from outside of the station	Stairs							Concrete	
	Stairs to Roof	Access from outside of the station	Walls							Concrete and plastic panels	
	Stairs Entrance Exterior	Access from outside of the station	Canopy						P	Vent duct, potential Chrysotile gaskets within	Figure 47
	Stairs A/30 Entrance Exterior	Access from outside of the station	Beam near car park end							Paint on concrete	
	Roof	Access from outside of the station	Roof surface							Gravel on bitumen	
	Roof	Access from outside of the station	Edge							Steel railing, concrete and balustrade	
	Roof	Access from outside of the station	Top of stairwell walls							Breeze block and brick	
	Roof	Access from outside of the station	Top of stairwell walls							Wood top of walls	
	Vent Shaft Cupboards (at top of stairs to roof)	Access from outside of the station	Walls							Wood and breeze block	
			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	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] ..

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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 Shaft Cupboards (at top of stairs to roof)	Access from outside of the station	Floor							Steel grill and concrete	
	Vent Shaft Cupboards (at top of stairs to roof)	Access from outside of the station	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	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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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									
	Exterior Car Park, Wall Westside		Wall							Concrete and steel mesh	
	Exterior Car Park, Wall Westside		Floor							Paving and tarmac	
	Exterior Car Park, Wall Westside		Canopy ceiling							Concrete and steel	
	Exterior Bus Garage Wall, North side		Wall							Tiles	
	Exterior Bus Garage Wall, North side		Floor							Paving slabs	
	Exterior Bus Garage Wall, North side		Canopy, false ceiling							Ceiling tiles, Supalux	
	Exterior Bus Garage Wall, North side		Side to canopy, false ceiling at car park end							Supalux	
024661/6	Exterior Bus Garage Wall, North side		Soffit	10	1	1	0	1	1		Figure 1
024661/7	Exterior Bus Garage Wall, North side		Fascia and side	30	1	1	0	1	0		
024661/8	Exterior Bus Garage Wall, North side		Canopy fascia	30	1	1	0	1	1		Figure 1
	South Side External Wall									Tiles and concrete above	
			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	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]...

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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									
	Circulation Area / Booking Hall	1/001	Floor							Solid grout	
	Circulation Area / Booking Hall	1/001	Walls							Tiles	
	Circulation Area / Booking Hall	1/001	Information boards							Melamine on ply	
	Circulation Area / Booking Hall	1/001	False ceiling							Metal grill with fibreglass matting on top	
	Circulation Area / Booking Hall	1/001	Edging to ceiling							Melamine on plywood	
	Circulation Area / Booking Hall	1/001	Manhole	x 2						No access below	
	Circulation Area / Booking Hall	1/001	Duct							4m long to centre, no access below	
	Circulation Area / Booking Hall	1/001	Window surrounds							Melamine on ply	
	Circulation Area / Booking Hall	1/001	Box on wall above photo booth							Plastic	
	Plant Room	1/761	Walls 1-5							Brick and breeze block	
	Plant Room	1/761	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	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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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									
	Plant Room	1/761	Wall 5							Supalux boxing to ceiling	
	Plant Room	1/761	Ceiling							Steels and concrete	
	Plant Room	1/761	Vent ducts							Steel, no asbestos gaskets visible	
	Plant Room	1/761	Vent ducts							Gaskets vis ble glass fibre in rubber	
	Plant Room	1/761	Surround to vent ducts, wall 2							Supalux	
	Switch Room	1/661	Walls							Plaster, solid	
	Switch Room	1/661	Floor							Concrete	
	Switch Room	1/661	Ceiling							Plaster, solid	
	Switch Room	1/661	Air conditioning ducts							Fibreglass lagged	
024661/10	Switch Room	1/661	Panel	0.05	1	0	0	2	1	Cementitious panel underneath electricity meter	Figure 2
	Switch Room	1/661	Asbestos braided cables	4m visible 2 off	3	0	3	3	SP	White 10cm, below manholes	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	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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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	1/661	Iron clad isolator	Grey 1 off					SP	Strongly presumed insulation in Chrysotile rope door seals and arc chutes	Figure 14
	Switch Room	1/661	Cable ducts							Plastic visible	
	Cleaners Cupboard	1/401	Walls							Brick and breeze block	
	Cleaners Cupboard	1/401	Floor							Concrete	
	Cleaners Cupboard	1/401	Ceiling							Concrete	
	Cleaners Cupboard	1/401	Air Con duct							Galvanised iron, fibreglass insulation	
	Fan Room Access	1/776	Walls							Brick	
	Fan Room Access	1/776	Floor							Concrete, solid	
	Fan Room Access	1/776	Ceiling							Concrete, solid	
	Fan Room	A/776	All walls							Brick, concrete	
	Fan Room	A/776	Floor							Part 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	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] ....

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 14/04/03	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									
	Fan Room	A/776	Floor							Part fibre	
	Fan Room	A/776	Floor above ticket hall							Glass tiles	
	Fan Room	A/776	Ceiling							Concrete	
	Fan Room	A/776	Tank							Plastic with f breglass lagging	
024661/2	Fan Room	A/776	Gasket to fan motor		2	1	0	2	0	2nd from steps	
024661/3	Fan Room	A/776	Gasket to fan motor		2	1	3	2	0	1st from steps	
024661/9	Fan Room	A/776	Gaskets to vent equipment		2	1	3	2	1		Figure 3
			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 ed ble	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] .....

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	1/902	All walls							Brick, breeze block	
	Office	1/902	Floor and ceiling							Concrete	
	Office	1/902	Wall 1 LUL heater	0.5					SP	Asbestos back within	Figure 15
	Office	1/902	Wall 4						SP	Iron clad isolator, strongly presumed insulation inside	Figure 16
	Disused	1/406	Floor and ceiling							Concrete	
	Disused	1/406	Walls 1 and 2							Metal gratings	
	Disused	1/406	Walls 3-8							Brick	
	Disused	1/406	Walls 9 and 10							Breeze block	
	Disused	1/406	Walls 11 and 12							Wood	
			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	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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	1/406	Wall 13							Brick	
	Lobby	1/236	Door front and back							Supalux panel	
	Lobby	1/236	All walls, ceiling and floor							Concrete	
	SCR	1/746	All walls							Concrete	
	SCR	1/746	Ceiling							Tiles and Supalux	
	SCR	1/746	Ceiling							Supalux panel	
024661/11	SCR	1/746	Floor		1	1	0	3	0	Vinyl tiles	
	Stairs	1/602	All walls							Tiled	
	Stairs	1/603	All walls							Tiles	
	Stairs	1/603	Ceiling							Artex, plasterboard	
	Stairs	1/603	Floor							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	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] ..

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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									
024661/12	Circulating Area	1/071	Ceiling fascia		2	1	1	2	0	Over 1/602	
024661/13	Circulating Area	1/071	Wall 1		2	1	1	2	0	Facia to ceiling over 1/603, composite stone	
	Circulating Area	1/071	Floor							Fire cupboard	
	Circulating Area	1/071	All walls							Tiles	
	Circulating Area	1/071	False ceiling							Metal grills	
	Circulating Area	1/201	Floor							Fibreglass matting above stone composite	
	Circulating Area	1/201	All walls							Tiles	
	Circulating Area	1/201	Ceiling							Plasterboard	
	Circulating Area	1/201	Above false ceiling							No access above	
	Stairs	1/601	Floor							Solid	
	Stairs	1/601	All walls							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	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] ..

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	1/601	Ceiling							Wood melamine, non asbestos as removed notified by CMT	
	Stairs	1/604	Floor							Solid	
	Stairs	1/604	All walls							Tiles	
	Stairs	1/604	Ceiling							Wood melamine, non asbestos as removed notified by CMT	
	From Ticket Hal to stairs	1/601 & 1/604	Train induction sign	x 2					SP	Melamine	Figure 46
			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	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] ....

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Coin Room	1/901	Walls 1-4							Plaster, solid	
	Coin Room	1/901	Floor							Rubber rise tiles on solid	
	Coin Room	1/901	False ceiling							Supalux	
	Coin Room	1/901	Above false ceiling							Concrete	
	Coin Room	1/901	Above false ceiling							Rubber lagging	
	Ticket Office	1/011	Walls 1-4							Plaster, solid	
	Ticket Office	1/011	Floor							Computer tiles	
	Ticket Office	1/011	Under floor							Concrete and plastic cables and metal ducting	
	Ticket Office	1/011	False ceiling							Supalux	
	Ticket Office	1/011	Above false ceiling							Concrete and Galv. Iron vent duct	
	Lobby	1/237	Walls 1-4							Plaster, solid, wood doors	
			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	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] .

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	1/237	False ceiling							Supalux tiles	
	Lobby	1/237	Above false ceiling							Concrete, Galv. Iron duct fibre lagging	
	Lobby	1/237	False floor							Computer tiles	
	Lobby	1/237	Under floor							Concrete	
	POM	1/021	Walls 1-4							Plaster, solid	
	POM	1/021	False floor							Computer tiles	
	POM	1/021	Under floor							Concrete, cable steel ducts	
	POM	1/021	False ceiling							Supalux tiles	
	POM	1/021	Above false ceiling							Concrete brick, electrical conduit	
	POM	1/021	LTB LUL heater, Wall 4	0.5	2	1	2	2	SP1	Asbestos panel backing board	Figure 17
	Office	1/311	LTB LUL heater, wall 3	0.5	2	1	2	2	SP1	Asbestos backing board	Figure 18
			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	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] ..

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	1/311	Walls 1-4							Plaster, solid	
	Office	1/311	Floor							Raised rubber tiles on solid	
	Office	1/311	False ceiling							Supalux tiles	
	Office	1/311	Above false ceiling							Brick, concrete ceiling	
	Mess Room	1/031	Walls 1-4							Plaster, solid	
	Mess Room	1/031	Floor							Raised rubber tiles on solid	
	Mess Room	1/031	LTB LUL heater, Wall 1	0.5	2	1	2	2	SP1	Asbestos backing panel	Figure 19
	Mess Room	1/031	False ceiling							Supalux tiles	
	Mess Room	1/031	Sink							No acoustic panel	
	Lobby to Toilet	1/081	Walls							Ceramic tiles on solid	
	Lobby to Toilet	1/081	Floor							Red 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	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]

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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 to Toilet	1/081	False ceiling							Supalux tiles, no access	
	Lobby to Toilet	1/081	Above false ceiling							Brick walls, concrete ceiling	
	Toilet	1/036	Walls 1-4							Ceramic tiles on solid walls	
	Toilet	1/036	Floor							Red quarry tiles	
	Toilet	1/036	Sanitary towel bag sealer							No access inside, jammed shut	
	Toilet	1/036	False ceiling							Supalux tiles	
	Toilet	1/036	Above false ceiling							Bricks and concrete	
	Substation	1/781								Not LUL property, not surveyed	
			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	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]

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	D/R Shaft	1/791	Walls 1 and 2							Solid concrete, half height, metal grills above	
	D/R Shaft	1/791	Walls 3 and 8							Brick	
	D/R Shaft	1/791	Floor							Concrete metal grills	
	D/R Shaft	1/791	Ceiling							Concrete, steel	
	Bin Store	1/401	Walls							Brick and breeze block	
	Bin Store	1/401	Floor							Concrete	
	Bin Store	1/401	Ceiling							Concrete	
	Bin Store	1/401	Air conditioning duct							Galvanised iron, fibreglass insulation	
			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	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]

D229-04s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	2/662	Floor							Concrete	
	Switch Room	2/662	Ceiling							Concrete	
	Switch Room	2/662	All walls							No access to cable ducts	
	Lobby	2/081	Wall 1							Brick	
	Lobby	2/081	Walls 1 and 4						SP	Westinghouse boxes potential asbestos internally	Figure 20
	Lobby	2/081	Floor							Concrete	
	Lobby	2/081	Ceiling							Concrete	
	Lobby	2/081	Between walls 2 and 3, cables to invert	2 x 1cm Ø	3	0	3	2	SP1	White cables	Figure 21
	Lobby	2/081	Between walls 2 and 3, cables to invert	2 x 1cm Ø	3	0	3	2	SP1	Green cables	Figure 21
	Lobby	2/081	Between walls 2 and 3, cables to invert	1 x 2cm Ø	3	0	3	2	SP1	Brown cables	Figure 21
	Lobby	2/081	Invert to IMR, wall 3	13 x 1cm Ø	3	0	3	2	SP1	Green cables	Figure 21
			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	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]

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	2/081	Invert to IMR, wall 3	4 x 1cm Ø	3	0	3	2	SP1	White cables	Figure 21
	Lobby	2/081	Invert to IMR, wall 3	2 x 1cmØ	3	0	3	2	SP1	Brown cables	Figure 21
	Lobby	2/081	Invert to IMR, wall 3	1 x 2cm Ø	3	0	3	2	SP1	Green cables	Figure 21
	Lobby	2/081	Invert to IMR, wall 3	4 x 1cmØ	3	0	3	2	SP1	Green (disconnected cables)	Figure 21
	Lobby	2/081	Invert to track, wall 1	1 x 1cm Ø	3	0	3	2	SP1	Green cable	Figure 22
	Lobby	2/081	Invert to track, wall 1	1 x 1cm Ø	3	0	3	2	SP1	White cable	Figure 22
	Lobby	2/081	Invert to track, wall 1	1 x 1cm Ø	3	0	3	2	SP1	Brown cable	Figure 22
	Lobby	2/081	Invert to track, wall 1	8 x 1cm Ø	3	0	3	2	SP1	Green cables	Figure 23
	Lobby	2/081	Invert to track, wall 1	3 x 1cm Ø	3	0	3	2	SP1	White cables	Figure 23
	Lobby	2/081	Invert to track, wall 1	2 x 4cm Ø	3	0	3	2	SP1	Green cables	Figure 23
	Lobby	2/081	Invert to track, wall 1	1 x 3cm Ø	3	0	3	2	SP1	White cable	Figure 23
			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	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] .

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	2/081	Invert to IMR, wall 1	x 4						Cable sleeves, bituminous paper	
	Relay Room	2/712	Floor							Quarry tiles	
	Relay Room	2/712	All walls and ceiling							Metal sheets	
	Relay Room	2/712	Walls 1 and 3						SP	Joints box	Figure 24
	IMR	2/711	Floor							Quarry tiles	
	IMR	2/711	All walls and ceiling							Metal sheets	
	IMR	2/711	Signal cables from 2/081							To 2/711	
	Lobby	2/417	Floor							Quarry tiles	
	Lobby	2/417	All walls							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	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]

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	2/417	False ceiling							Supalux, concrete above	
	Toilet	2/419	Floor							Quarry tiles	
	Toilet	2/419	Floor							Manhole above, no access	
	Toilet	2/419	All walls							Tiles	
	Toilet	2/419	Ceiling							Supalux tiles	
	Toilet	2/419	Above ceiling							Concrete	
	Switch Room	2/661	All walls, ceiling and floor							Concrete	
	Switch Room	2/661	Wall 2	x 6					SP	Iron clad isolators, strongly presumed insulation inside	Figure 25
	Switch Room	2/661	Wall 4	x 2					SP	Iron clad isolators, strongly presumed insulation inside	Figure 25
	Switch Room	2/661	Floor	x 10					SP	Cable ducts, no access	Figure 25
	Switch Room	2/661	Wall 3							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	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] ..

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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	2/416	Floor							Quarry tiles	
	Lobby	2/416	All walls and ceiling							Concrete	
	Toilet	2/418	Walls							Tiled	
	Toilet	2/418	False ceiling							Supalux tiles	
	Toilet	2/418	Above false ceiling							Concrete	
	Toilet	2/418	Floor							Quarry tiles	
	Toilet	2/418	Floor							Stone composite	
	Platform 1, Westbound	2/261	Track wall							Tiled	
	Platform 1, Westbound	2/261	Central wall							Tiled	
	Platform 1, Westbound	2/261	Ceiling							Metal grills, no access above	
	Platform 1 Eastbound	2/262	Track wall							Tiled	
			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	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]

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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									
	Platform 2 Eastbound	2/262	Centre wall							Tiled	
	Platform 2 Eastbound	2/262	Ceiling							Metal grills, no access above	
	Platform Westbound	2/261	Ceiling over track							Metal grill	
	Platform Westbound	2/261	Ceiling over platform							Metal grill	
	Platform Westbound	2/261	Stretcher box							Wood	
	Platform Westbound	2/261	Floor							Tiles	
	Platform Westbound	2/261	First appliance box, walls, floor, ceiling							Tiles	
024661/8	Pump room	2/771	Roof	4	1	1	0	2	1	Cellactite	Figure 4
	Pump Room	2/771	Walls 1 and 3							Brick	
	Pump Room	2/771	Walls 2 and 4							Concrete	
	Pump Room	2/771	Floor and 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	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]

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 16/04/03	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									
	Pump Room	2/771	Cable ducts							Ceramic whole visible	
	Pump Room	2/771	Panels on bottom of door front and back							Supalux	
			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	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]

D229-05s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	2/663	Walls 1-3							Plaster, solid	
	Switch Room	2/663	Wall 4							Plaster, solid above wooden doors	
	Switch Room	2/663	Floor							Concrete	
	Switch Room	2/663	Ceiling							Concrete	
	Open Area	2/414	Mezzanine floor							Steel grate	
	Open Area	2/414	Walls 1-3							None open	
	Open Area	2/414	Wall 4							Brick and melamine on wood	
	Open Area	2/414	Ceiling							Concrete	
	Open Area	2/414	Cable from box on gate	3m visible x 20mm Ø					SP	White	Figure 25
			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] .

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Wall by Invert Eastbound Side	2/414	Westinghouse box and cables	x 2					SP	Green 40mm Ø	Figure 30
	Wall to invert Eastbound & Westbound Side 2/414	2/414	6 Cable sleeves in each						SP1		Figure 30
			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] .

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Open Area	2/414	Mezzanine floor							Steel grate	
	Open Area	2/414	Walls 1-3							None, open area	
	Open Area	2/414	Wall 4							Brick, melamine on wood	
	Open Area	2/414	Ceiling							Concrete	
	Open area cable run eastbound first top hanger	2/414	Cables	9 Cables	3	0	3	2	SP1	4 White 1cm diameter 4 Green 1cm diameter 1 Green 4cm diameter	Figure 26
	Open area cable run eastbound first top hanger	2/414	Cables	3 Cables	3	0	3	2	SP1	3 Green 4cm diameter	Figure 26
	Open area cable run eastbound first top hanger	2/414	Cables	2 Cables	3	0	3	2	SP1	1 Green 4cm diameter 1 White 1cm diameter	Figure 26
	Open area cable run eastbound first top hanger	2/414	Cables	6 Cables	3	0	3	2	SP1	3 White 1cm diameter 3 Green 1cm diameter	Figure 27
	Open area cable run eastbound first top hanger	2/414	Cables	1 cable	3	0	3	2	SP1	1 White 1cm diameter	Figure 27
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Open area track side wall westbound side	2/414	Cable		3	0	3	2	SP1	1 x 1cm diameter	Figure 27
	Open area westbound side track side wall	2/414	Cable		3	0	3	2	SP1	1 white 10cm diameter	Figure 28
	Open area westbound side track side wall	2/414	Westinghouse relay boxes	4 off					SP1	Possible asbestos seals on door	Figure 29
	Wall by invert eastbound side	2/414	Westinghouse box and 2 cables						SP1	Possible asbestos seals on doors, 2 x green 4cn diameter	Figure 30
	Wall to invert eastbound side & westbound side	2/414	6 Cable sleeves in each						SP	Encapsulated, no access	Figure 30
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
024661/19	Pump Room	2/772	Cable sleeves	x 3	1	3	0	2	1	x 2 wall 2 x 1 wall 4	Figure 5
	Pump Room	2/772	Walls 1 and 4							Brick	
	Pump Room	2/772	Floor							Concrete	
	Pump Room	2/772	Ceiling							Cellectite	
	CER	2/731	Walls 1-4							Metal	
	CER	2/731	Wall corners 1/2 and 2/3							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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	2/731	Ceiling							Metal	
	CER	2/731	Floor							Quarry tiles	
	CER	2/731	Wall 3, Combination fuse switch	x 2					SP	Grey, strongly presumed insulation inside	Figure 33
	Switch Room	2/664	Walls 2, 3 and 4							Tiles on solid	
	Switch Room	2/664	Wall 1							Breeze block	
	Switch Room	2/664	Floor							Concrete, solid	
	Switch Room	2/664	False ceiling (part)							Supalux tiles	
	Switch Room	2/664	Above false ceiling							Concrete fibreglass insulated ducts	
	Store	2/381	Walls 1-4							Plaster, solid	
	Store	2/381	Floor							Quarry tiles	
	Store	2/381	False ceiling							Supalux 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 Untreated ghly 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]

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	2/381	Above false ceiling							Concrete rendered walls	
	CER	2/413	Floor and ceiling							Concrete	
	CER	2/413	Walls 1-4							Plaster, solid	
	CER	2/413	Cable sleeves							Bituminous paper	
	Telephone Disused	2/732	Walls 1, 2 and 3							Plaster, solid	
	Telephone Disused	2/732	Wall 4							Wood door	
	Telephone Disused	2/732	Floor							Concrete	
	Telephone Disused	2/732	False ceiling							F breboard tile	
	Telephone Disused	2/732	Above false ceiling							Concrete	
	Telephone Disused	2/732	Wall 4							Melamine on wood cupboard	
	Mess Room	2/761	Walls 1-4							Tiled, 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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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 Room	2/761	False ceiling							Supalux tiles	
	Mess Room	2/761	Above false ceiling							Vent ducts and concrete ceiling	
	Mess Room	2/761	Floor							Solid	
	Mess Room	2/761	Floor							Grey vinyl	
	Mess Room	2/761	Sink							No acoustic panel	
	Lobby	2/236	Floor							Solid, vinyl	
	Lobby	2/236	False ceiling							Supalux	
	Lobby	2/236	Above false ceiling							Concrete	
	Lobby	2/236	Walls 1-4							Plaster, solid and wood doors	
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Platform 1, Concourse Invert	Hatch nr. 2/081	Head wall							Concrete gully	
	Platform 1, Concourse Invert	Hatch nr. 2/081	Pit wall							Concrete	
	Platform 1, Concourse Invert	Hatch nr. 2/081	Platform wall							Concrete	
024661/14	Platform 1, Concourse Invert	Hatch nr. 2/081	5m from entrance	x 1	1	1	0	2	0	Cable sleeves	
	Platform 1, Concourse Invert	Hatch nr. 2/081	6m from entrance	x 1					SP	Cable sleeves, filled in	Figure 31
	Platform 1, Concourse Invert	Hatch nr. 2/081	7m from entrance	x 7					SP	Gaskets, no access	Figure 31
	Platform 1, Concourse Invert	Hatch nr. 2/081	8m from entrance on pit wall							Pipe	
	Platform 1, Concourse Invert	Hatch nr. 2/081	15m from entrance on pit wall	x 2						Metal pipe	
	Platform 1, Concourse Invert	Hatch nr. 2/081	15m from entrance on pit wall	Multiple						Plastic cables, no access too narrow	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Pit wall							Plastic pipes	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Floor	x 4						Metal pipes, no access	
			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] ....

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Platform 2, Concourse Invert	Hatch nr. 2/081	All walls							Concrete	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Ceiling and floor							Concrete	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Centre of invert							Air conditioning unit throughout invert	
	Platform 2, Concourse Invert	Hatch nr. 2/081	3m from hatch							Sump pump	
	Platform 2, Concourse Invert	Hatch nr. 2/081	10m from hatch	x 1					SP	Metal fuse boxes	Figure 32
	Platform 2, Concourse Invert	Hatch nr. 2/081		x 9						Plastic cables	
	Platform 2, Concourse Invert	Hatch nr. 2/081	12m from hatch	Multiple						Cables, no access due to narrowing	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Pit wall							Pipes metal	
	Platform 2, Concourse Invert	Hatch nr. 2/081	1m from entrance							Pipes metal	
	Platform 2, Concourse Invert	Hatch nr. 2/081	Pit wall							Plastic cables	
	Platform 2, Concourse Invert	Hatch nr. 2/081	25m from pit wall							Fibreglass surrounding hole	
			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] .....

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Platform 1 & 2, Concourse Invert	Near 2/414	30m from pit wall							Pipes from ceiling	
	Platform 1 & 2, Concourse Invert	Near 2/414	35m from pit wall ceiling							Air conditioning unit on ceiling	
	Platform 2, Invert	2/414	All walls							Concrete	
	Platform 2, Invert	2/414	Ceiling and floor								
024661/15	Platform 2, Invert	2/414	Head wall	x 6	1	1	0	2	1	Cable sleeves	Figure 6
	Platform 2, Invert	2/414	Platform wall	6 x 5m length	3	0	3	2	SP1	White	Figure 33
	Platform 2, Invert	2/414		5 x 5m length	3	0	3	2	SP1	Green	Figure 33
	Platform 2, Invert	2/414		3 x 15m length	3	0	3	2	SP1	Green	Figure 33
	Platform 2, Invert	2/414	Floor	2 x 20m length	3	0	3	2	SP1	Grey	Figure 34
	Platform 2, Invert	2/414	14m from entrance		3	3	3	3	SP1	Cables cut	Figure 34
	Platform 2, Invert	2/414	15m from entrance		3	3	3	3	SP1	Cables cut	Figure 34
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	Platform 2, Invert	2/414	25m from entrance		3	3	3	3	SP1	Cables cut	Figure 34
	Platform 2, Invert	2/732	Pit wall, platform	x 9						Plastic cables	
	Platform 2, Invert	2/732	Platform	x 2					SP	Two Westinghouse boxes, potential asbestos internally	Figure 35
	Platform 2, Invert	2/732	25m from entrance	x 6						Plastic cables	
024661/16	Platform 2, Invert	2/732	Crossing invert	x 10	1	1	0	2	0	Cable sleeves	
	Platform 2, Invert	2/732	Crossing invert	2 x 20m length	3	3	3	2	SP1	Asbestos cables	Figure 36
	Platform 2, Invert	2/732	Crossing invert	2 x 25m length	3	3	3	2	SP1	White	Figure 36
	Platform 2, Invert	2/732	Crossing invert	x 15						Cables, plastic	
	Platform 2, Invert	2/732	Platform	x 6						Cable sleeves	
024661/17	Platform 2, Invert	2/732	15m from hatch	x 8	1	0	0	2	0	Cable sleeves	
024661/18	Platform 2, Invert	2/081	10m from hatch	1	3	3	3	3	0	Debris on floor	
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
Same as 024661/3	Platform 2, Invert	2/081	2m from hatch	x 4	1	1	0	2	0	Cable sleeves	
	Platform 1, Invert	Down hatch 2/414	Cables	3 x 1cm Ø	3	0	3	2	SP1	Along platform side	Figure 37
	Platform 1, Invert	Down hatch 2/414	Cables	1 x 1cm Ø	3	0	3	2	SP1	Green cable down platform side	Figure 38
	Platform 1, Invert	Down hatch 2/414	Cables	1 x 40cm Ø	3	0	3	2	SP1	Down pit side	Figure 39
	Platform 1, Invert	Down hatch 2/414	Cables	2 x 5cm Ø	3	0	3	2	SP1	One white and one green cable down platform side	Figure 40
024248/1	Platform 1, Invert	Down hatch 2/414	Cable sleeves	x 4	1	0	0	2	0	Near middle hatch, 8m away going to concourse invert	
024248/2	Platform 1, Invert	Down hatch 2/414	Cable sleeves	x 4	1	0	0	2	0	1m on towards concourse	
024248/3	Platform 1, Invert	Down hatch 2/414	Cable sleeves	x 4	1	0	0	2	1	1m on towards concourse	Figure 7
Same as 024248/3	Platform 1, Invert	Down hatch 2/414	Cable sleeves	x 12	1	0	0	2	1	Middle concourse hatch 15m away, concourse side	Figure 8
	Platform 1, Invert	Down hatch 2/414	Cut cables	x 2	3	0	3	3	SP1	From concourse side along pit wall side	Figure 40
	Platform 1, Invert	Halfway along	Cables	1 x 40cm & 6 others	3	0	3	3	SP1	Pit wall to concourse side, other cables crossing between concourse and invert	Figure 41
			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]

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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									
	From end hatch	Room 2/712	Cable	1 x 1.5cm Ø	3	0	3	3	SP1	Pit side	Figure 42
024248/4	From end hatch	Room 2/712	Cable sleeves at end of invert	x 6	1	0	0	2	1		Figure 9
	From end hatch	Room 2/712	Cable	1 x 1cm Ø	3	0	3	3	SP1	Coming from concourse to pit wall, then follows invert	Figure 43
	From end hatch	Room 2/712	Cable	2 X 5cm 1 x 1cm	3	0	3	3	SP1	Halfway down concourse, running down concourse side	Figure 44
	From end hatch	Room 2/712	Cable	7 x 1cm Ø	3	0	3	3	SP1		Figure 45
024248/6	From end hatch	Room 2/712	Cable	2 x 10cm Ø	3	3	3	3	1	5m from hatch along length of invert	Figure 10
024248/5	From end hatch	Room 2/712	Cable sleeves	x 8	1	0	0	2	1	Concourse side, 12m from cables running across invert	Figure 11
	From end hatch	Room 2/712								Water within invert approximately 1 inch deep	
			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] .....

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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 Room	2/053	Floor							Quarry tiles	
	Mess Room	2/053	Walls							Ceramic tiles	
	Mess Room	2/053	Above false ceiling							Concrete	
	Mess Room	2/053	False ceiling							Supalux	
	Mess Room	2/053	Canopy over sink							Metal	
	Mess Room	2/053	Partition above false ceiling							Supalux	
	Mess Room	2/053	Panel on ceiling							Concrete	
	Mess Room	2/331	All walls							Solid brick part ceramic tiles	
	Mess Room	2/331	Above false ceiling							Concrete	
	Mess Room	2/331	False ceiling							Supalux	
Unknown asbestos	Mess Room	2/331	LUL heater						SP	Insulation board inside	Figure 46
			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] ..

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 29/04/03	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	2/291	LUL heater						SP		Figure 46
	Office	2/291	False ceiling							Supalux	
	Office	2/291	Ceiling above							Solid	
	Office	2/291	All walls and floor							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]

D299-06s

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 22/04/03	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									
	First invert between both platforms	2/081	Head wall							Concrete gully	
	First invert between both platforms	2/081	Pit wall							Concrete	
	First manhole	2/081	Platform wall							Concrete	
024661/14	First manhole	2/081	5m From entrance	X1						Cable sleeves	
	First manhole	2/081	6m From entrance	X1						Cable sleeves filled in	
	First manhole	2/081	7m From entrance	X7						Gaskets, no access	
	First manhole	2/081	8m From entrance on pit wall							Pipe	
	First manhole	2/081	15m From entrance on pit wall	X2						Metal pipe	
	First manhole	2/081	15m From entrance on pit wall	Multiple						Cables, no access	
	First Invert		Pit wall							Plastic pipes	
	First Invert		Floor	X4						Metal pipes, no access	
			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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 22/04/03	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									
	First Invert		All walls							Concrete	
	First Invert		Ceiling & floor							Concrete	
	First Invert		Centre of invert							Air conditioning unit through out invert	
	First Invert		3m From hatch							Sump pump	
	First Invert		10m From hatch	X1						Metal fuse boxes	
	First Invert			X9						Plastic cables	
	First Invert		12m From hatch	Multiple						Cables, no access due to narrowing	
	Invert 1	2/414	Pit wall							Pipes metal	
	Invert 1	2/414	1m From entrance							Pipes metal	
	Invert 1	2/414	Pit wall							Plastic cables	
	Invert 1	2/414	25m From pit wall							Fibreglass surrounding hole	
			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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 22/04/03	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									
	Invert 1	2/414	30m From pit wall							Pipes from ceiling	
	Invert 1	2/414	35m From pit wall, ceiling							Air conditioning unit on ceiling	
	Platform 2 Invert	2/414	All walls							Concrete	
	Platform 2 Invert	2/414	Ceiling & floor								
024611/15	Platform 2 Invert	2/414	Head wall	6x						Cables sleeves	
	Platform 2 Invert	2/414	Platform wall	6x5m length						White	
	Platform 2 Invert	2/414		5x5m length						Green	
	Platform 2 Invert	2/414		3x15m length						Green	
	Platform 2 Invert	2/414	Floor	2x20m length						Grey	
	Platform 2 Invert	2/414	14m From entrance							Cables cut	
	Platform 2 Invert	2/414	15m From entrance							Cables cut	
			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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 22/04/03	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									
	Platform 2 Invert	2/414	25m From entrance							Cables cut	
	Platform 2 Invert	2/732	Pit wall, platform	X9						Plastic cables	
	Platform 2 Invert	2/732	Platform	X2						2 Westinghouse boxes	
	Platform 2 Invert	2/732	25m from entrance	X6						Plastic cables	
	Platform 2 Invert	2/732	Crossing invert	X10						Cable sleeves	
	Platform 2 Invert	2/732	Crossing invert	2x20m length						Asbestos cables	
	Platform 2 Invert	2/732	Crossing invert	2x25m length						White	
	Platform 2 Invert	2/081	Crossing invert	X15						Cables	
	Platform 2 Invert	2/081	Platform	X6						Cable sleeves	
	Platform 2 Invert	2/081	20m From hatch							Cut cables	
	Platform 2 Invert	2/081	15m From hatch	X8						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]

Asbestos Survey, Hatton Cross Station

AREA: Hatton Cross Station	CLIENT: Rail Asbestos Control Unit, Tube Lines Limited	DATE OF SURVEY: 22/04/03	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									
	Platform 2 Invert	2/081	10m From hatch							Debris on floor	
	Platform 2 Invert	2/081	2m From hatch	X4					SP	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]

Hatton Cross
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 D229-01 to 06	Drawing number: D229-04s
Issue: 10/2001/02	Revision:

[redacted]

Hatton Cross

Platforms 1 & 2 (East End)

STATION LAYOUT

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

Total of 06 Drawings D229-01 to 06	Drawing number: D229-05s
Issue: 10 (2001/02)	Revision:
Survey Date: 06:11:01	Date:
Drawn by: RA	Drawn by:

Information current at date shown.

N

[redacted]

Hatton Cross
Platforms 1 & 2 (West End)

STATION LAYOUT

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

Total of 06 Drawings D229-01 to 06	Drawing number: D229-06s
Issue: 10 (2001/02)	Revision:
Survey Date: 06:11:01	Date:
Drawn by: RA	Drawn by:

N

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