



Airborne Environmental Consultants Ltd

**Fire Risk Assessment
J178964
South Liverpool Homes
18-23 Cavalier Drive
Garston
Liverpool
L19 2RU**



Approved by

A handwritten signature in black ink, appearing to be 'D. Evans', is written over a white background.

Darren Evans
Technical Director

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1 Introduction

The purpose of this fire risk assessment is to provide an informed and structured examination of the potential fire hazards, which could cause harm to those who work in, visit, reside, or try to escape from the above property. As appropriate, it will help decisions to be made on the status of existing fire safety control measures and to ensure compliance with the current fire safety legislation. The observations and recommendations contained in this fire risk assessment are pertinent to the conditions on the date of inspection only.

Types of survey

The survey which has been undertaken, is a non-destructive type survey (Type 1) in communal areas only, and unless there has been any reason to suspect otherwise, the inspection has been purely visual. There may have been a requirement, however, to lift ceiling tiles in communal areas if compartmentation or fire stopping issues were suspected.

Limitations

The report has been completed on the basis of the scope of works agreed with the client. Therefore AEC cannot accept responsibility for elements that lie outside the agreed scope. The report is issued to our client in confidence and AEC has no responsibility(s) to any third parties to whom this report may subsequently be circulated in part or in full and any third parties that rely on this report do so at their own risk.

Disclaimer

The report provides an assessment of the risk to life from fire in these premises, and not building protection issues, and where appropriate, makes recommendations to ensure compliance with fire safety legislation. Whilst the assessor has taken reasonable care to ensure the accuracy of the information provided, the company will not accept liability for any loss (including loss of anticipated profits, loss of expected future business or damage to goodwill) or claim in connection with the information contained within this report.

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2 Summary

The Property

Property address	18-23 Cavalier Drive, Garston, Liverpool L19 2RU
Number of flat assessed (Type 3)	23
Version	1
Assessment date	March 2020
Assessor	Imran Arif FS Dip L4
Auditor	Lee Smart BEng (Hons) MCIQB MIFSM
Client	South Liverpool Housing

Building Information

Property use	Flats Purpose Group 1 (a)
No of floors	3
No of flats	6
Approach to flats	Via protected route
Approximate age and construction details.	It is of traditional construction, built approximately 2001 and appears to be of masonry construction, concrete floors and a pitched roof of timber construction overlaid with tile. The internal partitions appear to be a mixture of masonry construction and plasterboard on wooden stud, the internal fire spread of linings on the escape, circulation routes and other areas appears to be Class 0.

Occupants

Are there any occupants especially at risk from fire?	At the time the audit was carried out the assessor was not made aware of any occupants that may be especially at risk from fire.
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3 Risk Score

Following consideration of current fire safety standards and controls within the premises, the assessor is of the opinion that:

The likelihood of fire occurring is Low
 The potential severity of harm is Moderate Harm
 The current risk to life is (Use the table below) Tolerable

		Potential severity of harm		
		Slight Harm	Moderate Harm	Extreme Harm
Likelihood of fire occurring	Low	Trivial	Tolerable	Moderate
	Medium	Tolerable	Moderate	Substantial
	High	Moderate	Substantial	Intolerable

ESTIMATED RISK LEVEL	Action and timescales
Trivial	No further action is required other than maintaining the control measures that are currently in place
Tolerable	No major additional controls required. However there might be a need of improvements.
Moderate	It is essential that efforts be made to reduce the risk. The additional control measures that are recommended should be implemented within a defined time period.
Substantial	Urgent action should be taken to reduce the risk. The additional control measures, that are recommended, should be implemented as soon as possible or limitations should be imposed on the parts of the premises affected.
Intolerable	The premises or the part of the premises affected should not be occupied until the additional control measures that are recommended have been implemented.

4 Fire Prevention

Electrical

Are electrical installations and appliances free from any obvious defect? Yes

Are fixed installations periodically inspected and tested? See comments

Are portable appliances used? No

Comments: Electrical safety test 16/08/2017

Gas

Are gas installations and appliances free from any obvious defect? See comments

Is gas equipment protected / located so as not to be prone to accidental damage? See comments

Comments: No gas installations in the communal areas

Heating

Are fixed heating installations free from any obvious defect? See comments

Are portable heaters used? No

Comments: No heating in communal areas

Cooking

Does cooking take place on the premises? See comments

Are reasonable measures taken to prevent fires as a result of cooking? See comments

Are filters changed and ductwork cleaned regularly? See comments

Comments: Yes, but within the individual flats. Cooking is not carried out in the communal areas. The audit was to inspect communal areas and not individual flats as individual flats fall outside the Regulatory Reform (fire safety) Order 2005

Arson

Does basic security against arson appear reasonable? Yes

Is there a reasonable absence of external fuels and ignition sources? Yes

Comments: Access control on the front door

Housekeeping

Is accumulation of combustibles or waste avoided? Yes

Are there appropriate storage facilities for combustible & hazardous materials? Yes

Comments: Good level of housekeeping

Hot Works

Are there any hot works being carried-out? No

Comments:

Smoking

Are there suitable arrangements taken to prevent fires caused by smoking? Yes

Comments: No smoking evident in the communal area.

Dangerous Substances

Are dangerous substances present, or liable to be present? No

Comments:

Lightning

Is a lightning protection system installed? No

Comments:

5 Escape Routes & Fire Spread

Ease of Use

Are exits easily and immediately openable?	Yes
Do fire exits open in direction of escape where necessary?	Yes
Are escape routes unobstructed and safe to use?	Yes
Are there reasonable measures for the evacuation of disabled people?	See comments
Comments: At the time the audit was carried out the assessor was not made aware of any disabled persons in the premises	

Dimensions

Are travel distances reasonable?	Yes
Is there sufficient exit capacity?	Yes
Comments: Single staircase with escape via front and back doors.	

Fire Doors

Doors which are expected to be fire resisting:	<ul style="list-style-type: none">• Electrical cupboards• Flat doors• Store cupboards
Standard of electrical cupboard doors:	See action plan
Standard of flat doors:	Yes
Are fire doors to a suitable standard?	See action plan
Is there suitable provision of self-closing devices?	Yes
Is there suitable provision of hold-open devices?	N/A
	Yes

Are doors kept locked where appropriate?

Comments: Intumescent strips/cold smoke seals missing from electrical cupboard door.

Construction & Glazing

Are escape routes protected with suitable walls and floors?

Yes

Is there adequate compartmentation?

See action plan

Is there reasonable limitation of linings that might promote fire spread?

Yes

Glazing which is expected to be fire resisting, including vision panels and fanlights:

N/A

Is glazing reasonable and free from any obvious defects?

N/A

Comments: Compartmentation breaches observed in loft space.

Dampers, Ducts & Chutes

Are there suitable measures to restrict fire spread via ducts and concealed spaces?

As this inspection was a type 3 (non-destructive) inspection the assessors cannot verify if there are sufficient cavity barriers or dampers.

Comments:

Smoke Ventilation

Areas where smoke ventilation is expected:

- Staircase

Staircase smoke ventilation:

Openable window

Is smoke ventilation reasonable and free from any obvious defects?

Yes

Comments: Manual opening windows are in the communal areas. These will be used by the fire service for smoke control.

6 Detection & Warning

Is an electrical fire alarm system expected?	No
Why not?	Purpose built block of flats
Is a fire detection and/or alarm system provided?	See comments
Areas covered	Flats
Comments:	
<ul style="list-style-type: none">• The premises are purpose-built flats and a communal fire alarm system is not required. The flats are designed for a stay put policy.• A BS 5839 part 6 fire alarm is installed within the flats	
Flats	
System Category	BS5839 Grade D LD3
Cause & Effect	Sounds alarm in flat of origin
Is the level of false alarms reasonable?	Yes
Is the fire detection & alarm provision reasonable?	Yes
Are there suitable measures for inner rooms?	N/A

7 Firefighting

Fire Extinguishers

Are fire extinguishers expected? No

Why not? No statutory requirement

Are fire extinguishers provided? No

Is the provision of fire extinguishers reasonable? Yes

Fixed Systems

Are any fixed systems provided? No

Is provision of fixed systems reasonable? Yes

Fire Service Facilities

Are there any specific fire service facilities? Yes

Types of facility Entrance door override

Is provision of fire service facilities reasonable? Yes

8 Lighting

Normal lighting

Is there adequate lighting of internal escape routes?	Yes
Is there adequate lighting of external escape routes?	Yes
Is there adequate lighting in risk critical areas?	N/A

Emergency lighting

Method of emergency lighting of internal escape routes:	Non-maintained emergency lighting
Is this provision reasonable?	Yes
Method of emergency lighting of external escape routes:	Adequate borrowed lighting
Is this provision reasonable?	Yes
Method of emergency lighting of other areas:	None
Is this provision reasonable?	Yes

Comments

Comments:

9 Signs & Notices

Escape Routes

Is escape route signage necessary?	No
Why not?	<ul style="list-style-type: none">• Single escape route
Is escape route signage provided?	No
Is provision of escape route signage suitable?	Yes

Fire Doors

Is there signage suitable for self-closing fire doors?	Yes
Is there signage suitable for locked fire doors?	Yes
Is there signage suitable for automatic fire doors?	N/A

Other signs & Notices

Is there suitable signage for fire service facilities?	N/A
Are fire action notices suitable?	Yes
Are there suitable notices for fire extinguishers?	N/A
Is there suitable zone information for the fire alarm system?	N/A

Comments

Comments:

10 Fire Management

Procedures & Arrangements

Current evacuation policy	Stay Put
Are fire action procedures suitable and appropriately documented?	Yes
Are there suitable arrangements for calling the fire service?	Yes
Is there a suitable fire assembly point?	See comments
Are there suitable arrangements for the evacuation of disabled people?	See comments

Training and Drills

Are staff regularly on the premises?	No
Do staff receive suitable training on the following areas:	
Fire risks on the premises & fire prevention measures?	N/A
Action to take on discovering a fire?	N/A
How to raise an alarm?	N/A
Responding to the fire alarm?	N/A
Calling the fire service?	N/A
Location & use of fire fighting equipment?	N/A

Are fire drills carried out at appropriate intervals?	N/A
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Are employees from outside organisations given appropriate fire safety information?	N/A
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Comments

Comments: Stay put policy and therefore it is not necessary to have a fixed assembly point. No disabled persons identified, adaptations will be put into place for any persons that require them.

Testing & Maintenance

Is the fire alarm tested & records kept?	N/A
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Is the emergency lighting tested & records kept?	See Comments
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Door entry test records	See Comments
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Are fire extinguishers subject to suitable tested and records kept?	N/A
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Have sprinklers been tested	N/A
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Have smoke vents been tested	N/A
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Has the Dry Riser been tested	N/A
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Comments:

Emergency lighting	23/09/2019
Door entry system	23/09/2019

11 Action Plan

Task	
Priority	Low
Category	Escape Routes & Fire Spread
Sub category	Fire Doors
Significant findings	Electrical cupboard door missing intumescent strip and cold smoke seal.
Actions required	Install intumescent strip/cold smoke seal to the electrical cupboard door.
Status	Identified
Due Date	1st November 2020



Task	
Priority	Medium
Category	Escape Routes & Fire Spread
Sub category	Construction & Glazing
Significant findings	Minor compartmentation breaches observed in the loft space.
Actions required	Infill compartment breaches with suitable fire rated material.
Status	Identified
Due Date	1st August 2020

