

Message

From: Terry Ashton [Terry.Ashton@Exova.com]
Sent: 15/01/2014 12:10:41
To: d.campbell@maxfordham.com; Philip Booth [philip.booth@appleyards.co.uk]
CC: Bruce Sounes [/O=STUDIO E/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=Bruce]; clwilliams@kctmo.org.uk; M.Smith@maxfordham.com; BLYTHE Peter [peter.blythe@uk.arteliagroup.com]; Grenfell [/O=STUDIO E/OU=First Administrative Group/cn=Recipients/cn=Grenfell]
Subject: RE: Grenfell Tower - Lobby Smoke Venting

Duncan

It would be possible to carry out a CFD analysis which compared a base case (a code compliant scheme with an automatic opening vent 1.5m² in area located on one side of the lift lobby) with what we are proposing but we haven't budgeted for this analysis and the cost might be more than measuring the flow rates provided by the existing system. Given that what we are proposing is a significant improvement over what exists, I think RBKC are being unreasonable. However, we still need to satisfy ourselves that the LFEPA won't "reject" the system under the RRO. Therefore, it is imperative that RBKC consults the latter for a view. Should we (collectively) have another go at RBKC?

Kind regards

Terry

Terry Ashton: *Associate, Fire Engineering (Europe)*
Exova Warringtonfire

T: [REDACTED] M [REDACTED]
Exova



From: d.campbell@maxfordham.com [mailto:d.campbell@maxfordham.com]
Sent: 14 January 2014 14:08
To: Philip Booth
Cc: Bruce Sounes; Terry Ashton; clwilliams@kctmo.org.uk; M.Smith@maxfordham.com; BLYTHE Peter; Grenfell
Subject: Grenfell Tower - Lobby Smoke Venting

Philip,

As you are aware, we have been trying for some time to produce a ventilation strategy for smoke-venting of the lift lobbies at each of the residential levels which would be acceptable to RBKC Building Control and also for them to feel confident about presenting this to the Fire Brigade.

Bruce sent us on the 8 Jan 2014 a copy of the memo he received from RBKC Building Control dated 6 Dec 13 (copy attached) which summarises their views on the question of smoke venting.

Essentially, RBKC are asking for site testing of the system to establish air flow rates achieved by the current system or for a CFD study to be carried out to predict what a reasonable air flow rate would be. We have been trying to satisfy them by offering what we and Exova considered to be a reasonable air flow rate, but they seem to be insistent that we take the measurement or CFD route in order to establish the required air flow rate.

While in theory it should be relatively straightforward to take measurements, from our visual inspections of the system, it is likely that some problems may arise. The system is very old and appears to be not well maintained, indeed tender documents for replacement of the system were produced by AECOM in October 2011. We would therefore anticipate that site measurement may prove to be difficult.

The alternative of providing a CFD model is outside our scope of works and not within our expertise. I believe Exova could provide this, but do not think CFD is the appropriate way of resolving matters: Terry - could you comment on this.

It is rather frustrating that we can't seem to persuade RBKC Building Control that our proposals are reasonable and would provide a better and more reliable system than what is there at present, however, we need to move things along and decide how to proceed as the intention was to resolve this and reach agreement with RBKC Building Control and the Fire Brigade before appointing a contractor.

Once Terry has had a chance to consider and comment, we can discuss further.

Duncan.

MAX FORDHAM

42-43 Gloucester Crescent
London
NW1 7PE

T
F

maxfordham.com

Max Fordham LLP is a Limited Liability Partnership. Registered in England and Wales Number OC300026
Registered office 42-43 Gloucester Crescent, London, NW1 7PE

This transmission may contain information that is privileged, confidential and /or exempt from disclosure under applicable Law.

If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or use of the information contained herein is **STRICTLY PROHIBITED**. If you receive this transmission in error, please immediately contact the sender and destroy the material in its entirety, whether in electronic or hard copy format.

Exova is the trading name of Exova Group Limited, Exova Group BV and all subsidiaries therein.

Exova Group Ltd. Registered office: 6 Coronet Way, Centenary Park, Salford, Manchester M50 1RE.
Registered in the United Kingdom, Company Number 06720350.

Exova Warringtonfire Aus Pty Ltd Registered office: Unit 2, 409-411 Hammond Road, Dandenong, VIC 3175, Australia, ABN 81 050 241 524.

Exova Group BV is registered in The Netherlands.

Please consider the environment before printing this e-mail and any associated attachments.
