

## Helen Farman-McKenna

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**From:** Brian Roy <Brian.Roy2@staffordshirefire.gov.uk>  
**Sent:** 16 January 2020 16:00  
**To:** Helen Farman-McKenna  
**Subject:** Fire and Rescue Service - Representation concerning the premises licence application for forthcoming events at Tutbury Castle

Hi Helen,

In regards to the official representation to the premises licence application for forthcoming music events at Tutbury Castle, I wish to make it clear that this is in relation to 'Objective C)' - Public Safety.

The emergency exits are insufficient for the number of occupants proposed on-site and access to the only exit available would potentially need to accommodate the egress of occupants simultaneously with access for emergency services.

This was missed off my first email in error.

Kind regards,

### Brian Roy

Fire Safety Inspecting Officer  
Lichfield Community Fire Station,  
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## Helen Farman-McKenna

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**From:** Brian Roy <Brian.Roy2@staffordshirefire.gov.uk>  
**Sent:** 16 January 2020 10:34  
**To:** Helen Farman-McKenna  
**Subject:** RE: Fire and Rescue Service - Representation concerning the premises licence application for forthcoming events at Tutbury Castle

Hi Helen,

Yes please, this is a formal representation to the application.

I contacted the solicitors earlier this week to let them know that in light of information received at the SAG that suggested around 3000 people occupancy and my follow-up site inspection, that I would be looking to make a representation. I have also spoken to Brian Cleary yesterday and so he also appreciates my concerns.

I will re-contact Anthony Horne to let him know that I have submitted the representation this morning.

Kind regards,  
Brian

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**From:** Helen Farman-McKenna [mailto:Helen.McKenna@eaststaffsbc.gov.uk]  
**Sent:** 16 January 2020 10:22  
**To:** Brian Roy  
**Subject:** RE: Fire and Rescue Service - Representation concerning the premises licence application for forthcoming events at Tutbury Castle

Brian

Thank you for the below. Can I confirm that you are formally putting representations in to object to the Application?

If so, are you contacting the Solicitors advising you are withdrawing your previous letter advising there were no issues?

Regards  
H

Helen Farman-McKenna  
Licensing Officer  
Regulatory Services  
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Town Hall  
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**From:** Brian Roy [mailto:Brian.Roy2@staffordshirefire.gov.uk]

**Sent:** 16 January 2020 10:05

**To:** Helen Farman-McKenna <Helen.McKenna@eaststaffsbc.gov.uk>

**Subject:** Fire and Rescue Service - Representation concerning the premises licence application for forthcoming events at Tutbury Castle

Hello Helen,

I have received the event management plan for the Tutbury Castle events completed by Brian Cleary. I have also attended the site to fully understand the site layout and appreciate the limitations associated with the site.

The main concern is the provision of sufficient escape routes for people to evacuate in an emergency.

The final part of the EMP details the calculations used to work out the safe occupancy.

The occupancy is determined from the lower figure of two calculations. One is worked out on the available floor area and the other is worked out on available number and widths of exits.

The floor area is sufficient for the 2725 people proposed.

Working from the same document that Brian Cleary has used (the CLG Guide to fire safety risk assessment for open air events and venues) I have to dispute the interpretation of level of risk for an event of this type. This level of risk has an effect on the formula used to calculate the safe evacuation and occupancy.

The number of people = Total exit width x (flow rate x escape time) (Page 68)

2725 = 2.78m x (109 persons/m/min x 9 minutes)

Brian's calculations assume a flow rate of 109 persons/metre/minute (Page 68 – This is a figure given for all routes not within seated accommodation and stairs)

Escape time has been taken as 9 minutes (Table 4 – Between 5 and 10 minutes for a 'Normal' risk)

The number of people required is 2725 and therefore the exit width will need to be 2.78 metres. As the exit is 2.8 metres wide, in theory the number of people required is satisfied.

During the Safety Advisory Group meeting, Gareth Williams from Tutbury Castle gave a guideline figure of 2200 people at events (as previously recommended by the fire service as a maximum for their events). This figure assumes the escape time as 7 minutes (mid-'normal' risk escape time range from Table 4).

Page 64 of the guide gives clearer definitions of risk levels of events ('Higher', 'Normal', and 'Lower')

Events that have significant additional facilities such as marquees, temporary structures (the stage) and mobile concessions need to be considered as 'higher' risk. The examples are given as 'events such as music concerts' and 'where the site is enclosed'. For this reason, the risk should now be considered a higher risk and the escape time (from Table 4) should be taken as somewhere up to 5 minutes. This would change the formula as follows:

$$1515 = 2.78\text{m} \times (109 \text{ persons/m/min} \times 5 \text{ minutes})$$

During my visit, the exit was measured to be 2.87 metres at its narrowest point which alters the figures slightly and therefore the maximum capacity for this event should be no more than 1564 people, which includes ticket holders and staff.

An additional consideration for this venue as compared to other venues with a similar event type is that it has a single exit and escape route. If a complete evacuation of the premises is required, the entire occupancy of the event will be exiting along that route whilst simultaneously, emergency services will be attempting to use the same route to gain access.

I hope this helps in determining conditions attached to the issuing of the premises licence.

If you need any further information please contact me.

Kind regards,



**Brian Roy**

Fire Safety Inspecting Officer  
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