

MICE experiment: emergency procedures and response to alarms

The MICE experiment has been implemented by STFC at its ISIS facility on behalf of the International MICE Collaboration. Emergency procedures at the top-level are defined in STFC's safety policy and can be found here:

- <http://www.stfc.ac.uk/SHE/Emergencies/21035.aspx>

All STFC employees and all MICE visiting staff without exception are required to attend the basic STFC ISIS safety induction course, where these emergency procedures are described. The course has to be re-taken every two years. In addition all personnel are required to undergo the MICE Hall induction and must obey all requirements for work in and around the MICE Hall as specified in CDM (Construction (Design and Management)) Regulations.

Alarms and responses

1. Fire alarm whilst a controlled access is underway

Follow the emergency procedure defined in the STFC safety policy, and documented in the MICE Hall Local Rules. The procedure can be found here:

<http://www.stfc.ac.uk/SHE/Emergencies/21035.aspx>

Secure any radioactive sources if safe to do so. Leave the building and move straight to the assembly point. The Door Operator must leave with the Controlled Entry log book. Phone the RAL RPA or ISIS Health Physics Section Leader immediately:

RAL RPA : Paul Wright

Ext: 5480 (RAL)

Mobile: +44 (0)7770 858 064

ISIS Health Section Leader : Matt Harrall

Ext: 6407 (RAL)

Mobile: +44 (0)7825 532 747

2. Power cut to the MICE Hall

Notify the MOM immediately.

If power is not restored in one hour then:

- If no ODH Hazard is indicated, the MOM will cancel the PPS Search, and unlock and open the Auxiliary Door.

- If an ODH Hazard is indicated, the MOM must padlock the exterior doors to the MICE Hall, (see Section 4.2.7.3 of the MICE PPS User Guide), cancel any PPS Search, and remove the Fortress key from the Auxiliary Door key switch.

3. In the MICE Hall (R5.2) with blue lighting illuminated

Press nearest Beam-Off Button (BOB) and leave the building immediately via nearest crash-out gate.

4. Neutron monitor alarm in the MICE Hall (R5.2) (sound and beacon illuminated)

Leave the building immediately and inform the MOM.

5. ODH alarm in the MICE Hall (R5.2) (sound and beacon illuminated)

Leave the building immediately and inform the MOM.

The above alarms and locations are pointed out to each employee and visitor at the induction training and escape routes and exits are described.

In any of the above emergency situation, the MOM (MICE Operations Manager) has authority and MICE staff should defer to the MOM. The MOM can be contacted on +44 (0)7789 272 992 .