

# Supplementary instructions for access to the MICE Hall

## ***Action in the event of an alarm from the temporary ODH monitor***

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### **Background**

The installation of a permanent oxygen-depletion hazard (ODH) alarm system is under way. The ODH system is not yet complete. Each of the two spectrometer-solenoids that have been installed are cold and contain a volume of liquid helium.

A temporary ODH monitor has been installed on the South Mezzanine in the vicinity of the spectrometer solenoids. Calculations indicate that oxygen levels will not fall below the alarm threshold even if a volume of liquid helium comparable to that stored in the solenoids is rapidly released into the atmosphere in the Hall. This document defines the actions to be taken in the unlikely event that the temporary ODH monitor sounds an alarm.

**These supplementary<sup>1</sup> instructions will remain in force until the permanent Hall ODH system is complete.**

### **In the event that the temporary ODH monitor sounds an alarm:**

- **All personnel are to leave the Hall immediately by the closest personnel door and report the alarm to the MICE Operations Manager (MOM);**
- **Personnel hearing the alarm when seeking to gain entry should not enter the Hall but should report the alarm to the MICE Operations Manager.**

***MICE Operations Manager: 07789272992***

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<sup>1</sup> These instructions are supplementary to the Local Rules for the MICE Hall and the arrangements defined in the MICE Hall induction.

**Personnel access to the MICE Hall:**

Personnel access to the MICE Hall will be through the personnel door in the centre of the South Wall of the Hall that may be accessed via the walkway that passes the MICE Local Control Room (MLCR).

The Potterax and personnel door at the south-west corner of the Hall and the personnel door over the ISIS linac will remain closed. Personnel may “crash out” through either of these doors in the event of an emergency.

**Familiarity with the alarm generated by the temporary ODH monitor:**

All personnel seeking to work in the Hall, supervise the work of contractors or guide parties of visitors around the Hall will be required to have familiarized themselves with the ODH alarm generated by the temporary monitor. The Hall Manager (John Govans) will arrange to demonstrate the alarm as part of the Hall induction.

For those who have already had the Hall induction, a special demonstration will be arranged. The sheet appended to this document contains a list of those personnel to whom the alarm has been demonstrated.

**Audibility:**

The temporary ODH alarm is audible outside the personnel door at the centre of the south wall of the MICE Hall, at the Potterax door and at the entrance over the ISIS linac.

**Regular maintenance of the monitor:**

Since the temporary ODH monitor is battery powered, it will be tested at the start of each day by the Hall Manager or his delegate.

**List of personnel to whom the temporary ODH alarm has been demonstrated:**

By signing this list the undersigned confirm that they have witnessed the sound of the temporary ODH alarm.