

Facilities Management: Risk Assessment Gas Safety (Mains or Compressed)

Notes:

1. The people that might be harmed: Studioworks employees, contractors, public, artists.
2. This risk assessment **does not** cover the use of gas cylinders on studio sets for cooking. Please refer to **Risk Assessment for Safe Cooking in Studios** for further information.

Hazard	Control
<p>Lack of awareness of BBC Studioworks procedures to be followed</p>	<ul style="list-style-type: none"> • This risk assessment should be read in conjunction with the following BBC Studioworks documents: • Health & Safety Arrangements for Storage & Use of Gas Cylinders
<p>Explosion, blast injuries and structural damage</p> <p>Fire and burns</p> <p>Asphyxiation – lack of oxygen and carbon monoxide poisoning</p>	<ul style="list-style-type: none"> • Mains gas works must only be carried out by an installer who is on the Gas Safe Register (i.e. a trained, competent person) • All forms of hot work or ignition sources must be prohibited when work on gas systems is being carried out (e.g. no smoking, grinding etc) • Any new mains gas installations must be provided with a certificate of installation and an operation and maintenance manual • Connections to compressed air, mains gas, or bottled gas, must be made by competent persons. • Where gas is burned, there must be adequate ventilation • Portable gas heaters must be properly maintained and there

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	<p>should be a written safe procedure for their use and storage of associated gas bottles.</p>
<p>Asphyxiation by replacement of the oxygen in the atmosphere - Nitrogen</p> <p>Handling of gas cylinders</p> <p>Gas cylinders falling over</p>	<ul style="list-style-type: none"> • Compressed gas cylinders/bottles must be stored in secure areas or the storage cage that are ventilated to the open air • When in use, transit or storage, cylinders and bottles must be placed and secured as to minimise the risk that they might fall – e.g. placed on even ground, in cages, use of chains etc. • Trolleys to be supplied for transport of the gas cylinders/bottles • Suitable, sturdy, closed-toe shoes, to be worn by those moving and handling the cylinders.