| **Hazards** | **Is the hazard present?**  **Y/N** | **What is the risk?** | **Risk rating**  **H = High**  **M = Medium L = Low** | **Control measures** | **Is this control in place?**  **Y/N** | **If no, what actions are required to implement the control?** | **Person responsible** | **Date action completed** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gas leak |  | Explosions Fire  Burns | H | A gas shut-off/isolation valve is provided for each classroom |  |  |  |  |
| H | Gas is shut-off at end of each class from one central point |
| H | Gas supply isolated during holidays by a competent person |
| H | Gas installation including any gas detector(s) and automatic shut- off mechanism checked annually by a competent person (refer to the manufacturer’s instructions) |
|  |  |  | H | The supply pipework to each room or teaching space is fitted with a purpose designed supervisory system in accordance with **Annex I of I.S. 820** , to test the integrity of that section of installation pipework each time the device is activated  There is an operating procedure which includes, at a minimum, deactivation of the system at the end of each working day |  |  |  |  |

**Reference**

IS.820 is the Irish standard specification for non-domestic gas installations.

| **Hazards** | **Is the hazard present?**  **Y/N** | **What is the risk?** | **Risk rating**  **H = High**  **M = Medium L = Low** | **Control measures** | **Is this control in place?**  **Y/N** | **If no, what actions are required to implement the control?** | **Person responsible** | **Date action completed** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unsafe use of Bunsen burner |  | Fire  Burns  Hair catching fire | H | The Bunsen burner is kept away from gas taps and tubing and the edge of the bench |  |  |  |  |
| It should be impossible for window blinds to be blown into Bunsen flames |
| Loose clothing, scarves and dangling jewellery are avoided, long hair is tied back and face is kept clear of flame |
| A utility lighter or matches is used to light Bunsen burner - never paper |
| Students are instructed on the safe use of Bunsen burner, and are supervised |
| When not in use, the Bunsen burner is turned off, or if lit but not in use, the air inlet is reduced until a visible yellow flame shows |
| The Bunsen burner and equipment is allowed to cool after use before handling and putting away (e.g. tripod stand) |
| Teacher and caretaker know how to isolate Bunsen burner |
| A fire blanket and foam fire extinguisher are in the lab |  |  |  |  |
| First-aid arrangements are in place |  |  |  |  |
| Use of  damaged  equipment,  e.g. faulty  tubing,  blocked  burner head  (irregular  shaped flame) |  |  | H | Rubber tubing and burners checked regularly (at  least once per term), damaged tubing discarded  and blocked jets cleaned as part of a regular  maintenance and checking programme |  |  |  |  |

If there is one or more **High Risk (H)** actions needed, then the risk of injury could be high and immediate action should be taken.

**Medium Risk (M)** actions should be dealt with as soon as possible. **Low Risk (L)** actions should be dealt with as soon as practicable.

Risk Assessment carried out by: Date: / /

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 **Reference**

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