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| **Assessment undertaken by:** | VIGRAM MOHAN |
| **Signed:** |  |
| **Date:** |  |
| **Assessment review date:** |  |

|  |  |
| --- | --- |
| **Risk Assessment for:** | Smart Barbecue experiments |
| **Task:** | Experiments using a data logging device will be carried out on a charcoal barbecue in Queen’s lawn |
| **Assessment ref. No.** |  |

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| **Hazard** | **Persons at Risk** | **Existing Controls** | **Action Needed** |
| Burns from coal | Vigram Mohan | Fireproof gloves will always be worn.  A First Aid box will be kept in case of accidents. |  |
| Risk of irritation to skin and eyes from firelighter | Anyone handling the firelighter | Wash hands before and after touching them. Also wear goggles to prevent irritation to eyes. |  |
| Potential of fumes coming off the firelighters catching fire. | Anyone handling the firelighter | The firelighters will be stored in a sealed container inside the flammable cabinet. |  |
| Risk of relighting barbecue when it’s still smouldering | Vigram Mohan | Using solid firelighters instead of a liquid one. Firelighters will also be used only at the start and not during the barbecue itself |  |
| Storing of the firelighters | Vigram Mohan | Storage will be in the lay bay stores room 103 Electrical engineering building, inside a flammable cabinet. Access to the lay bay stores will be through a member of Electrical engineering staff via either EEstores or Mr Andrew Paice. The building manager has been informed of the above. |  |
| Flares originating from coal | Vigram Mohan | Lab goggles will be worn |  |
| Electrical equipment | Vigram Mohan | Electrical equipment is made water resistance and will not be placed in close range of the coal. |  |
| Lighting the coal | Vigram Mohan | Coal will be lit using safe barbecue lighting fluid and a long enough lighter |  |
| Grass burning from coal | Grass | A fire proof mat will be placed under the barbecue so that the grass is not affected |  |
| Position of BBQ |  | BBQ is sited in an area free of vehicle and pedestrian traffic with access limited to staff that man the equipment. |  |
| Post Barbecue storage | Vigram Mohan | At the end of the BBQ, hot coals and charcoal briquettes are doused in cold water by the competent person taking care not to receive very hot flash-back steam from doused coals etc. |  |
| Fire-fighting | Vigram Mohan | A bucket of water will always be kept near the barbecue in case of emergencies. Have also been provided with a water fire extinguisher from the fire safety office |  |
| Burns while cleaning up | Vigram Mohan | The briquettes are put off in cold water and the barbecue is left to cool down before storage to ensure that no burns are suffered. Fire proof gloves will also be worn while handling the barbecue |  |

I have read and understood the above risk assessment, and received appropriate relevant training:

Employee’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Employee’s Name (please print): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_