

HOT FIRE TESTING EMERGENCY RESPONSE PROCEDURES

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| **1. PERSON CARRYING OUT ASSESSMENT** | | | |
| **Person Responsible:** |  | **Position:** |  |
| **Date:** |  | **Review Date:** |  |
| **2. DOCUMENT OUTLINE** | | | |
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| **3. INCIDENT CLASSIFICATION** | | | |
| “Incidents”, in the context of this document, are defined as any event not within the standard operating procedure listed in the accompanying risk assessment, under Section 7. In the event of any incident, the severity must be assessed. For all purposes and intents, incidents will be classified and logged in one of the two following categories: **Minor Incident**  * + Placeholder  **Major Incident**  * + Placeholder | | | |
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| **4. PERSONS RESPONSIBLE** | | | |
| This section details the necessary, standardised steps required to be taken in the event of each incident occurring. Note that the procedures involve the following responsible persons:   1. Placeholder   Due to restrictions on social gathering, only those required to conduct the activities will be able to attend. | | | |
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| **5. EMERGENCY RESPONSE PROCEDURES** | | | | | | |
| **Emergency** | **Type** | **Description** | **Preventative Actions** | **Immediate Actions (On-site)** | **Persons Responsible** | **Follow-up Actions** |
| Combustion chamber explodes | Major | Combustion chamber pressure exceeds twice the standard operating conditions. Could cause injury due to shrapnel of exploding combustion chamber | * Nozzle closure is designed to separate from the combustion chamber before the chamber itself fails. * Combustion chamber is placed in a steel test cell that is sunk into the ground which will contain the majority of shrapnel in case of an explosion. | * Press emergency shutoff on the test controller * Make sure everybody is uninjured in the test bunker - emergency services should be called on 999 immediately for any serious injuries * Check the live video for any fire in the visible surrounding area - if video feed does not work then proceed outside cautiously to gain a visual of the testing area * If video shows it is safe to do so, CTO and NOS will exit the bunker with a fire extinguisher and evaluate the situation outside - put out fires if necessary * If safe to do so, CTO and NOS walk over to the testing area and turn off the manual tank valve (while wearing face shield and thermally insulating gloves) | CTO | Report incident; investigate the root cause and review control measures if any serious injuries or near misses occurred |