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| **Hot Work - PTW Number / WO Number:** |  |

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| **Section 1 – General Details** | | | | | | | | | | | | | | | | |
| **Work Activity Title:**  (As Per Work Activity Risk Assessment) | | | | | |  | | | | | | | | | | |
| **Location of work:** | | | | | |  | | | | | | | | | | |
| **Special access restrictions:**  (due to the task involving a specific welding type or the location being a hazardous area, or one on a vessel that requires a Master Authorisation sign-off in this section, etc) | | | | | |  | | | | | | | | | | |
| **Likely ignition source type(s):** | | | Flame (welding, soldering, brazing, etc) | | | | Spark or slag (grinding, cutting, friction tools, welding, etc) | | | | | | | | | |
|  | | | Hot Object (metal surface, plate, etc) | | | | Other: | | |  | | | | | | |
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| **Section 2 – General Hot Work / Ignition Controls** | | | | | | | | | | | | | | | | |
| Identify those general hot work and ignition controls required to be undertaken as part of the hot work:  (identify as yes or not applicable) | **Yes** | **NA** | | **Control** | | | | | | | | | | | | |
|  |  |  | | Fire extinguishers are to be located immediately adjacent to the hot work area and within 10m | | | | | | | | | | | | |
|  |  |  | | Catch mats or boards are to be positioned over flooring, grates, grid-mesh to catch small sparks or slag | | | | | | | | | | | | |
|  |  |  | | Combustible and flammable materials or fuel sources are required to be cleared from the area  (consider a 15m area around the hot work where practicable and include surfaces above & below the work area) | | | | | | | | | | | | |
|  |  |  | | Drains, cable racks, electrical cables and other heat/fire sensitive items are to be covered  (consider a 15m area and use fireproof blankets, catch boards and approved covers as applicable) | | | | | | | | | | | | |
|  |  |  | | A water hose is to be run to the job location and primed ready for use  (where appropriate for work locations outdoors and in areas clear of electrical equipment) | | | | | | | | | | | | |
|  |  |  | | A Fire Watcher is required to watch the area during and/or post work to monitor fire risk, sparks, slag, hot objects  (consider for work: outdoors, in windy conditions, in hazardous areas, in confined spaces, in vessels)  During Work, and/or  Post Work for a time period of       minutes | | | | | | | | | | | | |
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| **Section 3 – Specific Hot Work / Ignition Controls** | | | | | | | | | | | | | | | | |
| **Requirement** | | | | | | | | **Yes** | **NA** | | | **If Yes, Include Additional Control Details to be Used:** | | | | |
| The hot work is to be undertaken on or adjacent to plant that will require an isolation (such as services, pipes, tanks, pressure vessels) | | | | | | | |  |  | | |  | | | | |
| A fixed fire protection or detection system will need to be isolated prior to work (note: isolations of long duration may also require insurance entities to be notified) | | | | | | | |  |  | | |  | | | | |
| The work area will require specific cleaning, purging, ventilating or pre-work atmospheric monitoring (due to flammable/explosive vapours, dusts, liquids or solid residues in the work area / location) | | | | | | | |  |  | | |  | | | | |
| The work area will require pre-work cleaning, stripping, surface preparation, or atmospheric monitoring during works (as a result of surfaces / coatings that may create harmful emissions when cut or heated) | | | | | | | |  |  | | |  | | | | |
| The nature of the work requires specific respiratory protection to be worn | | | | | | | |  |  | | |  | | | | |
| The nature of the work requires specific controls to be implemented to protect gas hoses or other sensitive plant items involved in the work | | | | | | | |  |  | | |  | | | | |
| The hot work involves arc-welding whereby specific controls are required to minimise the potential for electric shock due to the location of work or work environment (due to the presence of water, moisture or heat, where the ambient temperature is above 32oC or where the welder is forced to perform welding in a cramped position with physical contact with conductive parts) | | | | | | | |  |  | | |  | | | | |
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| **Section 4 – Additional Hot Work Controls within Confined Spaces** | | | | | | | | | | | **NA** (Section Not Applicable) | | | | | |
| **Requirement** | | | | | | | | | | | | | | **Yes** | **N/A** | |
| Locate equipment outside the space where practicable  (such as gas cylinders, hoses, etc unless involved with respiratory devices) | | | | | | | | | | | | | |  |  | |
| Where an extraction fan is used, the inlet is to be located as close as practicable to the contamination source | | | | | | | | | | | | | |  |  | |
| Contaminants are to be expelled from the confined space so that they cannot be recirculated and will not harm other workers | | | | | | | | | | | | | |  |  | |
| As arc-welding activities are to be suspended for substantial periods, power sources will need to be de-energised, electrodes removed from holders and holders placed so that accidental contact or arcing cannot occur | | | | | | | | | | | | | |  |  | |
| As gas welding/cutting activities are to be suspended for substantial periods, torch and cylinder valves are to be closed with the torch and hose connections removed from the space and depressurised | | | | | | | | | | | | | |  |  | |
| **Hot Work - PTW Number / WO Number:** | | | | | | | |  | | |

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| **Section 5 – Mandatory Additional Hot Work Controls – Major Hazard Facilities containing flammable materials**  **NA** (Section Not Applicable) | | | | | | | | | | | | |
| **Requirement** | | | | | | | | | **Yes** | | **If Yes, Include Additional Control Details to be Used:** | |
| Record the Air Monitor bump test prior to any hot works on a refuelling facility | | | | | | | | |  | |  | |
| Record initial LEL atmospheric gas testing in the work zone prior to performing any hot works on a refuelling facility | | | | | | | | |  | |  | |
| Continuously monitor and periodically record LEL atmospheric level whilst carrying out any hot works on a refuelling facility | | | | | | | | |  | | Periodic Recording Intervals: | |
| Other: | | | | | | | | |  | |  | |
| **LEL Atmospheric Testing / Monitoring Guide** | | | | | | | | | | | | |
| **Atmospheric Issue** | | | **Safe Level** | | | **Caution (entry during emergency response / with additional controls only)** | | | | | | |
| Oxygen | | | > 19.5 % and up to 23.5% | | | < 19.5% need positive pressure supplied air breathing apparatus. | | | | | | |
| LEL | | | < 5% | | | > 5% and up to 10 %  Entry permitted in emergency response. However, if during work the level rises to above 5% and up to 10%, persons are to evacuate, unless a suitably calibrated combustible substance detector is used at all times while people are in the space. | | | | | | |
| *For other contaminants not listed, specific monitoring, pre-work planning and recording will be required to ensure safe entry / work.* | | | | | | | | | | | | |
| **Bump Test Certificate** | | | | | | | | | | | | |
| ***PLEASE ATTACH HERE IF AIR MONITOR PRODUCES A BUMP TEST CERTIFICATE***  ***(if applicable)*** | | | | | | | | | | | | |
| **Atmospheric Test Results:** | | | | | | | | | | | | |
| **When** | | **Atmospheric Test Results** | | | | | | **Verification** | | | | |
| **Date** | **Time** | **O2** | | **LEL** | **Other** | | **Other** | **Meter Number** | | **Entry into MHF Permitted**  **(Yes / No)** | | **Name and Signature of Competent Tester (National Unit of Competency – MSMWHS217 – Gas Test Atmosphere)** |
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