### H&S RISK ASSESSMENT

**Project/Job No:**            **Name:**           **Process/Activity:** TIG welding in Computer suite

*see final page for detail*

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<table>
<thead>
<tr>
<th>No</th>
<th>H&amp;S Hazard Description</th>
<th>Who could be harmed?</th>
<th>Current controls</th>
<th>Risk Rating with current controls</th>
<th>Further work required to give acceptable level of risk/Other assessments applicable</th>
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<th>Action by</th>
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| 1  | Eye irritation from welding arc. | Operator/Others | 1. Welding mask.  
2. Safety glasses.  
3. Welding screens. | 1 2 2 | | | | |
| 2  | Burn injuries from welding arc or spatter. | Operator | 1. Welding gloves.  
2. Welding mask.  
3. Overalls to be in good condition free from tears, broken studs and zips.  
4. Welding hats.  
5. Safety boots. | 1 1 1 | | | | |
2. Allow adequate time for cooling of butt. | 2 1 2 | | | | |
| 4  | Fumes emitted from the welding process. | Operator/Others | 1. Welding respirators. | 3 1 3 | | | | |
2. Fire extinguishers and fire blanket required.  
3. Comply with site hot work permit/rules. | 1 3 3 | | | | |

**LIKELIHOOD RATING**

| Low (1) | = Unlikely | Medium (2) | = Possibly | High (3) | = Likely |

**SEVERITY RATING**

| Low (1) | = First Aid Injury | Medium (2) | = Major injury or over 3 days off work | High (3) | = Permanent incapacity or death |

**RISK RATING (Likelihood X Severity)**

| = Trivial Risk | = Tolerable Risk | = Intolerable Risk | = Substantial Risk | = Moderate Risk |
### Process/Activity Detail:
This H&S risk assessment caters for the hazards presented by a TIG welding test in the computer suite.

### LIKELIHOOD RATING | SEVERITY RATING | RISK RATING (Likelihood x Severity)
---|---|---
Low (1) = Unlikely | Low (1) = First Aid Injury | 1 = Trivial Risk  
Medium (2) = Possibly | Medium (2) = Major injury or over 3 days off work | 2 = Tolerable Risk  
High (3) = Likely | High (3) = Permanent incapacity or death | 3 or 4 – Moderate Risk  

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**H&S RISK ASSESSMENT**  
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| 6  | Electric shock from welding torch/tongs | Operator/Others | 1. Ensure the workpiece is properly earthed.  
2. Keep body parts clear from operating tig torch.  
3. Ensure welding gloves are free from moisture. | 2 1 2 | | | | |