CUTTING & GRINDING WITH POWER TOOLS

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| **PCBU Address:** Lot 3, Redlynch Connector Road, Redlynch 4870**Job Title:** **Site Address:**  | **Date:** **Page:** 1 of 3 **SWMS No:** 05 | **New****Revised** |
| **Principal:**  | **Supervisor:** Ian Loccisano | **Approved by:** Ian Loccasino |
| **Required Personal Protective Equipment:** Safety boots & high visibility vest or shirt.Safety glasses or face shield, hearing protection, leather gloves, long sleeved cotton shirt and trousers. Residual current device. |
| **TASK** | **POTENTIAL HAZARDS** | **ACTION OR PROCEDURE** | **RESPONSIBILITY** |
| Selecting power tool & accessory for cutting & grinding | Power tool failure | Tool inspected for task suitability and mechanical integrity incl. guards | User |
| Electric shock | Inspect leads for damage & current test tag | User |
| Use Residual Current Device | User |
| Accessory failure | Ensure disc, cutting wheel or cup stone is matched to the tool speed | User |
| Ensure disc, cutting wheel or cup stone is matched to the material to be worked | User |
| Ensure the accessory arbour diameter is matched to tool spindle diameter | User |
| Ensure disc, cutting wheel or cup stone flange in place & seated | User |
| Ensure clamp nut is tight | User |
| Ensure there is no eccentric loading of the tool & accessory | User |
| **TASK** | **POTENTIAL HAZARDS** | **ACTION OR PROCEDURE** | **RESPONSIBILITY** |
| Use of power tool for cutting & grinding | Foreign body in eye | Wear safety glasses or face shield | User |
| Hearing damage | Wear hearing protection | User |
| Burns | Wear long sleeved cotton shirt , trousers and leather gloves | User |
| Injury to others | Keep others away from work area | User |
| Fire | Ensure no combustibles in vicinity. A hot work permit may be required | User |
| Fire extinguisher in close proximity | User |
| Tool kickback | Use a tool with soft start, safety clutch & dead man switch | User |
| Work piece is secured from movement when cutting or grinding | User |
| Control pressure, surface contact | User |
| Grinding angle of 10 to 20 degrees maintained | User |
| Electrocution | Ensure leads are clear of work area | User |
| Ensure work area dry unless tool is designed for wet work | User |
| Accessory failure | Do not let disc, cutting wheel or cup stone overheat | User |
| Cut in straight & perpendicular line to minimise blade deflection | User |
| Cuts & abrasions | Ensure accessory has come to a complete stop before putting down | User |
| All hazards | Daily periodical monitoring of activity | Supervisor |

Risk assessment based on all procedures being in place

**Risk Assessment Matrix**



**Likelihood:** Very unlikely **Consequences:** Moderate **Risk score:** 7