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