|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Assessors Name:** |  | **Reference Number:** | HSMS RA 004 | **Review:** | Annually or sooner following an incident or significant change to the equipment/process |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Implemented By:** |  | **Signature:** |  | **Position:** |  | **Date:** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Description of task and assessment** | Use of Abrasive wheels for cutting and grinding on a construction site |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Location Details** |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Identified Hazards** | **Who may be affected** | **Initial Risk**  | **Control measures** | **Residual****Risk** | **Remarks** |
| Abrasive wheel bursting or disintegrating due to being damaged, or not rated for the correct speed of the machine, or through improper use | Employees, Contractors and Members of the Public |  | * Before use inspection.
* Only trained operatives to change the abrasive wheel.
* Correct rated blades used for the speed of the machine.
* Correct use of the machine and appropriate supervision.
 |  |  |
| Flesh coming into contact with the abrasive wheelPUT IN ORDER OF SEVERITY  | The user or a contractor working in close proximity |  | * Information, instruction, training and supervision to the user.
* Ensure that the guard is set correctly.
* Young persons must only use under strict 1 to 1 supervision.
 |  |  |
| Clothing becoming entangled in the equipment | User |  | * Information, instruction, training and supervision to the user.
* User to ensure that any loose clothing is tucked away and hair is tied back.
 |  |  |
| Inhaling Dust or fumes | User, Contractor, Employee, Member of the public |  | * Water suppression used when cutting silica based materials.
* FFP3 face masks worn by user and anyone in the cutting zone/area. Face masks to be Face Fit Tested to the individual.
* Do not use a petrol saw in a confined space.
* If cutting is to be carried out, outside of the site do not cut when members of public is in close proximity and fence off work area.
 |  |  |
| Damage to eyes ears and respiratory system | User, Contractor, Employee, Member of the public |  | * Information, instruction, training and supervision to the user.
* Eye protection is worn.
* Ear protection is worn.
* Wear respiratory protection
* If cutting is to be carried out, outside of the site do not cut when a member of public is in close proximity and fence off work area.
 |  |  |
| Fire caused by flying sparks, when cutting metal | Contractor, Employee, Member of the public |  | * Ensure that the sparks fly in a safe direction, or are shielded.
* Have a fire extinguisher at hand, if combustible materials are close by.
* Do not use in close proximity to the public.
* If the risk from a fire caused by sparks cannot be avoided then an alternate means of cutting must be used.
 |  |  |
| Fire caused when refuelling petrol saws | Contractor, Employee, Member of the public |  | * Ensure that the saw is allowed to cool prior to re fuelling.
* Do not refuel on scaffold.
* Keep fuel cans away from combustible materials.
 |  |  |
| Hand arm vibration syndrome | User |  | * Short duration work.
* Operative take turns to cut.
* Operative to ensure that their hands a warm prior to using the machine.
* HAVS register to be completed.
* If a high volume of cutting is to be done the supervisor must ensure that the trigger times are monitored and not exceeded.
 |  |  |

**Guidance Notes**

|  |
| --- |
| **LIKELIHOOD OF HARM** |
| **Highly likely** | **Possible** | **Unlikely** |
| **SEVERITY****OF****HARM** | **Fatal or major injury/ illness** | **High** | **High** | **Medium** |
| **Injury/ illness resulting in lost time** | **High** | **Medium** | **Low** |
| **Minor injury/ illness** | **Medium** | **Low** | **Low** |

|  |  |  |
| --- | --- | --- |
| **LOW** | **MEDIUM** | **HIGH** |
| **Continue with existing control measures and ensure all reasonably practicable measures to reduce the risk to as low as possible put in place. Monitor for changes. Implement any additional control measures required, within the timescales given in the****risk assessment.** | **May require additional reasonably practicable measures to reduce the risk to as low as possible. Must ensure regular ongoing monitoring of the task. Implement any additional control measures required, within the timescales given in the****risk assessment.** | **Requires attention to reduce the risk, implement reasonably practicable measures to reduce the risk as low as possible. Must ensure regular ongoing monitoring of the task. Implement any additional control measures required, within the timescales given in the****risk assessment.** |