**Safe Work Practice**

|  |  |  |
| --- | --- | --- |
| Name of Job:  **Use of Portable Grinders** | Development Date:  **February 17th, 2011** | Developed By:  **CSNS** |

**Possible Hazards Present**

|  |  |  |  |
| --- | --- | --- | --- |
| Gloves, loose clothing or jewelry being caught | Flying debris | Sparks | Electrocution |
|  |  |  |  |

**Personal Protective Equipment (PPE) and Devices Recommended**

|  |  |  |  |
| --- | --- | --- | --- |
| Steel toed boots | Face shield | Safety glasses | Hand protection |
|  |  |  |  |

**What are some good general safe work practices?**

* **DO** familiarize yourself with the grinder operation before commencing work.
* **DO** ensure proper guards are in place and that safety glasses, face shields, gloves and safety boots are worn when using portable grinders.
* **DO NOT** exceed the maximum wheel speed (every wheel is marked). Check the speed marked on the wheel and compares it to the speed on the grinder.
* **DO check** the wheels before mounting them, for cracks and defects, ensure that the mounting flanges are clean and the mounting blotters are used. Do not over tighten the mounting nut.
* **DO** run newly mounted wheels at operating speed to check for vibrations before grinding.
* **DO NOT** use grinders near flammable materials.
* **DO NOT** use the grinder for jobs for which it is not designed, such as cutting.