**Safe Work Practice**

|  |  |  |
| --- | --- | --- |
| Name of Job:**Pipe Welding** | Development Date:**March 30th, 2011** | Developed By:**CSNS** |

**Possible Hazards Present**

|  |  |  |  |
| --- | --- | --- | --- |
| Working at heights | Working in [confined spaces](http://www.ccohs.ca/oshanswers/hsprograms/confinedspace_intro.html) | Risk of [eye injury](http://www.ccohs.ca/oshanswers/prevention/ppe/glasses.html) | [Slips, trips and falls](http://www.ccohs.ca/oshanswers/safety_haz/falls.html) |
| Risk of injury from falling objects | Burns from hot surfaces, flames, sparks, etc., | Exposure to [lead](http://www.ccohs.ca/oshanswers/chemicals/chem_profiles/lead/) and other toxic heavy metals  | Proximity to [flammable or combustible](http://www.ccohs.ca/oshanswers/chemicals/flammable/) materials |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Head protection  | Eye Protection | Foot protection | Fall Arrest Equipment |
| Respirator Equipment | Skin Protection  | Hearing Protection  |  |

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

* **DO** ensure that welders check their equipment at frequent and regular intervals for defects, particularly for defective cables in wet areas.
* **DO** ensure buffing and grinding operators wear face shields, safety glasses, and hearing protection.
* **DO** Ensure full and empty cylinders be kept separate and identified.
* **DO** Ensure cylinders are secured and in upright position.
* **DO** ensure flammable materials are kept out of weld areas.
* **DO** avoid watching arc without proper eye protection.
* **DO** Ensure grinders and buffers have proper guards installed as per manufacturer specifications.
* **DO** ensure that when welding or grinding use portable grinding / welding shields around the area where work is being done.
* **DO** have welding cables off the ground and up in walk areas.
* **DO NOT** contact lenses when welding. Use CSA approved safety eye wear.