**Safe Job Procedures**

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

**Possible Hazards Present**

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| Burns | Electrical shock | Inhalation of gases | Flash |
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**Personal Protective Equipment (PPE) and Devices Recommended**

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|  Steel toed boots | Eye protection | Leather gauntlet gloves | Welders mask |
| Welding curtain | Fire extinguisher | Respiratory protection  | Local exhaust  |

**What is a proper safe job procedure to follow?**

* Only qualified personnel may perform welding activities
* Always work with a spotter (fire watch) to ensure that a spark or fire is eliminated
* Ensure the work area is well ventilated or that provided ventilation hoods are in use
* Check the work area for combustible material and possible flammable vapors before starting work
* Check all cables and hoses to protect from slag, heat, fire and sparks. Check cables and hoses for damage before starting
* Before welding drums, tanks, etc. that have been in service, ensure that all precautions have been carried out and permits have been obtained, as required
* Ensure that the ground cable is applied to the frame of the object being welded
* Always wear the appropriate mask/goggles
* Ensure other workers are protected from arc flash burns by utilizing screens or advising people of the work being performed in the area