**Safe Work Practice**

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| Name of Job:**Welding, Cutting and Burning** | Development Date:**February 10th, 2011** | Developed By:**CSNS** |

**Possible Hazards Present**

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| Burns  | Compressed gas | Fire/Explosion  | Repetitive Motion /Strain |
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**Personal Protective Equipment (PPE) and Devices Recommended**

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| Leather wielding clothing | Fire extinguisher | Helmet | Hand protection |
| Fire retardant coveralls | Fire retardant Gloves | Foot Protection |  |

What are some general safe work practices?

* **DO** ensure that adequate ventilation is supplied since hazardous fumes can be created during welding, cutting or burning.
* **DO NOT** start work without proper authorization.
* **DO have** fire fighting or prevention equipment on hand before starting welding, cutting or burning.
* **DO** check the work area and remove any combustible material and possible flammable vapours before starting work.
* **DO NOT** work alone. A fire or spark watch should be maintained.
* **DO** check cables and hoses to protect them from slag or sparks.
* **DO NOT** weld or cut lines, drums, tanks, etc. that have been in service without making sure that all precautions have been carried out and permits obtained.
* **DO NOT** enter, weld or cut in a confined space without meeting the requirements of Occupational Safety General Regulations Part 12 - Confined Space Entry.
* **DO** use fire resistant materials (blankets, tarps) to control or contain slag and sparks.
* **DO NOT** cut or weld where sparks and cutting slag with fall on cylinders (move all cylinders away to one side).
* **DO** open all cylinder valves slowly. The wrench used for opening the cylinder vales should always be kept on the valve spindle when the cylinder is in use.