|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| JOB/TASK NAME: Welding  Job Safety Analysis Form | | | | PAGE 1 OF 1 | | DATE: 2/20/15 | NEW REVISED |
| EMPLOYEE(S)/POSITION(S) PERFORMING THE JOB: Grounds | | | | SUPERVISOR(S): Levi Reed | | ANALYSIS BY: Jacob Carter | |
| PLANT/LOCATION: Campus | | DEPARTMENT(S): Grounds | | SHIFT (if applicable): | | APPROVED BY: Chris Gale | |
| PERSONAL PROTECTIVE EQUIPMENT: Gloves, Welding Mask | | | | | | | |
| TRAINING REQUIREMENTS: | | | | | | | |
| JOB STEPS | | | POTENTIAL HAZARDS | | ACTION/PROCEDURE TO CONTROL OR ELIMINATE | | |
| 1 | Clean off object to be welded | | Sharp edges could cause lacerations to hands or body | | Wear leather gloves | | |
| 2 | Spray weld primer onto anything to be welded (zinc spray) | | Inhaling zinc fumes | | Only use zinc spray in a well ventilated area, always spray away from face | | |
| 3 | Open gas until pressure is 25 psi on flow meter | | None | | None | | |
| 4 | Hook grounding clamp on object near welding area | | Pinch points from clamp | | Keep fingers and hands firmly on handle of clamp away from object and teeth of the clamp | | |
| 5 | Plug in welding machine | | Frayed wire could cause electrical shock | | Check over electrical wire for any worn insulation | | |
| 6 | Put on welding mask | | Visor of a wrong grade design for the type of welding being conducted could cause damage to eyes | | Check with manufacturer instruction manual for the types of jobs the visor is designed for | | |
| 7 | Conduct several test welds on scrap metal to achieve the proper wire feed speed | | Hot surface and sparks could cause burns to hands or body. Ultraviolet light could cause eye damage. Welding fumes could cause lung cancer. | | Wear leather gloves. Wear proper visor of a grade designed for the type of welding you are conducting. Weld only in well ventilated areas. Have a fire extinguisher on site at all times. | | |
| 8 | Touch wire to metal while moving in a smooth motion. Constantly holding down the torch trigger. | | Same as above | | Same as above | | |