

**Inspection Checklist
For Portable Welding Units
Pipeline/Facility Construction**

PPE Responsibilities

- To provide OHS 8.2
- Selection, use and maintenance OHS 8.3

Welder:

- Safety head-gear if head hazard present OHS 8.11(1)
- Flame resistant clothing (cotton duct/leathers) OHS 12.123(a)
- Gauntlet gloves (leather or other suitable material) OHS 12.123(b)
- Leather apron or other suitable mat for heavy work OHS 12.123 (c)
- Eye and face protection from radiation & particles OHS 12.123 (d)
- Substantial safety footwear OHS 12.123 (e)
- Respiratory protection OHS 12.124 (a) (b)
- Ear protection from hot slag OHS 8.19 (1)

Helper:

- Safety head-gear OHS 8.11 (1)
- Flame resistant clothing (cotton duct) OHS 12.123 (a)
- Gauntlet gloves (leather or other suitable material) OHS 12.123 (b)
- Eye and face protection from radiation & particles OHS 12.123(b)
- Additional face protection (face shield) OHS 8.17 (1)
- Hi-vis apparel (if exposed to moving mobile equipment) OHS 8.24 (3)

WHMIS

- Training required and annual review OHS 5.7
- MSDS readily available. OHS 5.16 (for rod & fuel gases and all controlled products being used or worked on ie; coated metals)

Standards

- All welding/cutting similar processes carried out to CSA W117.2-94 or manufacturers' instructions or other applicable requirements of this regulation OHS 12.112
- Completed work (see authority having jurisdictions ie; Oil and Gas Commission, Boiler and Pressure Vessels, etc.) OHS 12.113
- Pipe coatings removed (prior to hot work) OHS 12.115
- Ventilation (local exhaust for bench work) OHS 12.114
- Fire extinguishers (at least one) OHS 12.126 (1)

OXY/Fuel Systems

- ❑ Flashback prevention (reverse flow & arrestors) on the tank or torch end OHS 12.120
- ❑ Only standard manufacturer's hose fittings (no water pipe clamps) OHS 5.41
- ❑ Cylinder- proper securement of tanks, protection from damage, and hydrostatic testing of cylinders OHS 5.36-5.38
- ❑ Cylinder valves closed when not being used, standard fitting only, valve cover on when not being used OHS 5.40
- ❑ Regular maintenance of regulators (proper service, no broken parts) OHS 5.42
- ❑ Equipment inspection prior to use OHS 12.119

Electrical Equipment

- ❑ Welding and ground cables in good condition OHS 12.119
- ❑ Electrical generator- fitted with at least one GFCI (ground fault circuit interrupter) for work in wet locations with electrical hand tools OHS 19.15 (1)

Hand Tools

- ❑ Hand grinders- abrasive wheels and buffer wheels guarded to 120 degrees of grinding or buffing wheel surface OHS 12.45 (2) (d)
- ❑ No modification of grinders or guards to accommodate higher speed wheels OHS 12.46 (1)
- ❑ All hand tools maintained in good condition (including cords and plug ends) OHS 4.3 (1)

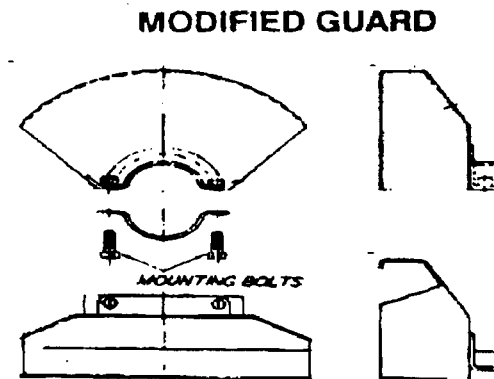
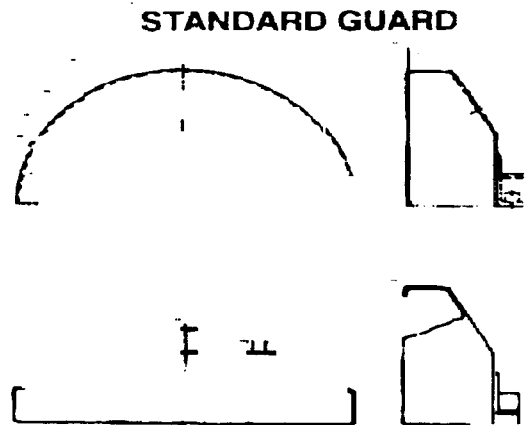
Miscellaneous

- ❑ Pipe stands proper construction (no re-bar) OHS 4.2 & 4.8
- ❑ Hearing test up to date (annually) OHS 7.17
- ❑ Cold stress. OHS 7.65-7.75
- ❑ Vehicle cab free of unsecured tools or equipment OHS 16.35
- ❑ Seat belt use. OHS 16.33
- ❑ No smoking in cab. OHS 4.81 & 17.11 (3)

Abrasive Equipment

Protective Hood

12.45 (2) (d) a portable grinder when it is being used for grinding root passes in welded pipe, provided it has a protective hood covering at least 120° of the wheel periphery and the operator wears adequate eye and face protection.



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