**WORKPLACE AUDIT / INSPECTION REPORT**

**Welding, Cutting, Brazing Area**

**Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Audited by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Audit Item/ Practice**

**Check if item / Practice not in compliance**

**Housekeeping**

Are aisles marked? .22

Width of aisles maintained? .22

Are aisles in good condition? .22

Are work areas clean? .22

Is housekeeping maintained? .22

Are only authorized and trained personnel permitted to use welding, cutting, or brazing equipment?

Does each operator have a copy of the appropriate operating instructions and are they directed to follow them?

Are compressed gas cylinders regularly examined for obvious signs of defects, deep rusting, or leakage?

Is care used in handling and storage of cylinders, safety valves, relief valves, etc., to prevent damage?

Are precautions taken to prevent the mixture of air or oxygen with flammable gases, except at a burner or in a standard torch? .253(a)

Are cylinders kept away from sources of heat? .252

Are signs reading "DANGER NO SMOKING, MATCHES, OR OPENLIGHTS" or the equivalent, posted? .252

Are liquefied gases stored and shipped valve-end up with valve covers in place?

Are provisions made to never crack a fuel-gas cylinder valve near sources of ignition?

Before a regulator is removed, is the valve closed and gas released for the regulator?

Is red used to identify the acetylene (and other fuel-gas) hose, green for oxygen hose, and black for inert gas and air hose?

Are pressure-reducing regulators used only for the gas and pressures for which they are intended?

Is open circuit (No Load) voltage of arc welding and cutting machines as low as possible and not in excess of the recommended limits?

Under wet conditions, are automatic controls for reducing no load voltage used?

Is grounding of the machine frame and safety ground connections of portable machines checked periodically?

Are only approved apparatus (torches, regulators, pressure-reducing valves, acetylene generators, manifolds) used?

Are the cylinders kept away from elevators, stairs, or gangways?

Is it prohibited to use cylinders as rollers or supports?

Are empty cylinders appropriately marked and their valves closed?

When welding is done on metal walls, are precautions taken to protect combustibles on the other side?

Before hot work is begun, are used drums, barrels, tanks, and other containers so thoroughly cleaned that no substances remain that could explode, ignite, or produce toxic vapors?

Is a check made for adequate ventilation in and where welding or cutting is performed?

When working in confined places, are environmental monitoring tests taken and means provided for quick removal of welders in case of an emergency?

**Personal Protective Equipment**

Are protective goggles or face shields provided and worn where there is any danger of flying particles or corrosive materials? .133

Are approved safety glasses required to be worn at all times in areas where there is a risk of eye injuries such as punctures, abrasions, contusions, or burns? .133

Are protective gloves, aprons, shields, or other means provided against cuts, corrosive liquids, and chemicals? .132

Are employees who need corrective lenses (glasses or contacts) in working environments having harmful exposures required to wear only approved safety glasses, protective goggles, or use other medically approved precautionary procedures? .133(a)(3)

Is it required that eye protection helmets, hand shields, and goggles meet appropriate standards?

Are employees exposed to hazards created by welding, cutting, or brazing operations protected with personal protective equipment and clothing?

Are hard hats provided and worn where danger of falling objects exists? .135

Are hard hats inspected periodically for damage to the shell and suspension system? .135

Is appropriate foot protection required where there is the risk of foot injuries? .136

**Air Emissions**

If the welding creates hazardous air emissions, is the welding area appropriately marked to indicate this? .1200(f)

**Fire Protection**

If you have a fire alarm system, is it tested bimonthly? .165

Are all fire extinguishers accessible, and their locations clearly designated? .157

Are all fire extinguishers inspected and recharged regularly, and noted on the inspection tag? .157

Repairs/corrections must be completed by (date) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Routed to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Repairs/corrections from above have been done.

Supervisor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_