SAFETY AND HEALTH IN WELDING

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Welder’s safety and health is extremely important. Workers who are strongly involved in production and construction particularly welders are extremely exposed to potential accidents. Welding consider as safe job if proper, strict and excellently act in accordance with the safety rules and regulations. According to health experts, welding is not risky, dangerous or harmful to health than other process making things out of metal.

The welder’s body should be protected by a double layer of non-flammable clothing or equivalent to prevent burn or other damages by ultra violet light. Always maintain clean clothes regularly to prevent oil and grease build up. Personal protective equipment should be wear like safety shoes, leather gloves, fire resistant protective sleeves or jacket, leather apron, face shield or fire resistant skull cap under face shield. Hearing protection is recommended when personal time weighted average (TWA) noise, it is advisable to use either ear plug or ear muff that have a noise reduction rating. While welding, it produces large quantity of visible light, ultra violet and infrared. Too much exposure to the radiation from an arc causes damage to the eyes, welders are advised to wear efficient eye protector. The right choice of the shades of glass filter or properly filtered screen depend on the type of operation. Fumes contain gases produced in the arc is very harmful, the welder needs respirator and highly exhaust apparatus should install.

The welding department head must strictly provide safety occupational training regularly then oblige the welders religiously apply safety in their everyday task.
Employees must be aware to know how to cover or shield themselves from exposure, injuries, damage and destruction. They must diligently follow safety measures in the company. They are responsible for the use of safe equipment and materials. It is the responsibility of supervisor or safety officer to enforce the implementation of safety rules and regulations.

Good housekeeping practices or 5 S (sweep, sort, sanitize, systematize and self-discipline) is essential. It should always be employed inside the welding shop. Adequate safety devices should be provided such as fire extinguisher, lifesaving and support equipment, first aid kit plus training of personnel to utilize the appropriate equipment properly.

Persons of authority executed safety rules as well as health guidelines of workers. Law prescribing safety regulations and the publication of safety warnings to ensure the safety of workers had been implemented.

References:

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