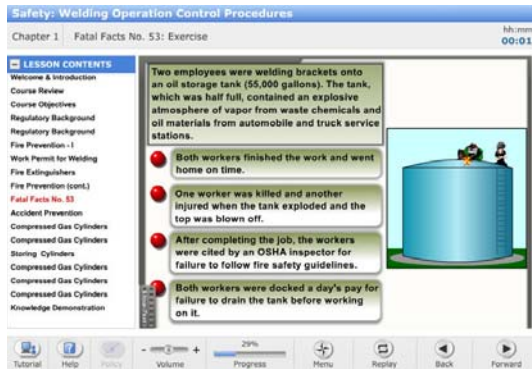


Safety: Welding Operation Control Procedures

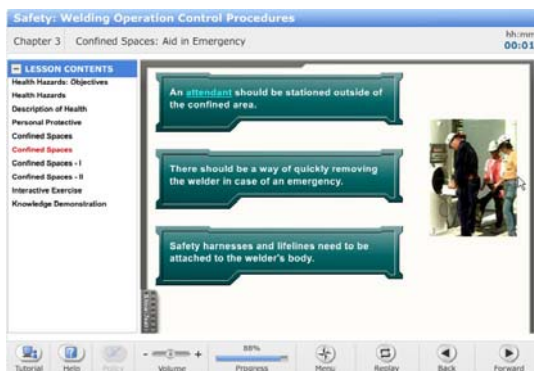
Welding, cutting, and brazing are hazardous activities that pose a unique combination of both safety and health risks to more than 500,000 workers in a wide variety of industries. The risk from fatal injuries alone is more than four deaths per thousand workers over a working lifetime. This course will inform students of potential health and safety concerns unique to welding, cutting, and brazing.



Objectives:

- Identify the elements of a welding safety program
- Identify the potential health and safety concerns associated with welding, cutting, and brazing
- Specify the proper handling, transportation, use, and storage of compressed gas cylinders
- Identify hazards and safe work practices associated with oxygen cylinders
- Specify proper operating procedures to ensure a safe means of arc welding and cutting
- Define the importance of using and maintaining proper Personal Protective Equipment (PPE) and the implications if not used
- Specify fire prevention techniques used during welding, cutting, and brazing
- Define mechanical ventilation and its purpose
- Identify the health and safety concerns while welding, cutting, and brazing in confined spaces
- Identify the health concerns of welding, cutting, and brazing on metals of toxic significance and metals with protective coatings
- Identify the various safety and health hazards associated with different types of welding

Audience: Employees involved in welding operations in the workplace.



Primary Regulations: OSHA 29 CFR 1910 Subpart Q, Welding, Cutting & Brazing

Related Regulations: Shipyard Employment - OSHA 29 CFR 1915 Subpart D, Welding, Cutting and Heating; Marine Terminal - OSHA 29 CFR 1917.152, Welding, cutting and heating (hot work); Construction (General Industry) - OSHA 29 CFR 1926 Subpart J, Welding and Cutting

Duration: 45-60 minutes



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