

Outdoor Power Confined Space

What is confined space work at power plants?

At power plants, confined space work involves identifying and removing unsafe conditions if possible, controlling access where conditions are inherently dangerous, and training entrants to prevent unsafe acts. Courtesy: New Standard Institute Inc. One common hazard in confined spaces is engulfment. Many materials have the potential to engulf an entrant.

What is confined space electrical voltage?

Confined space electrical voltage is any energized electrical power in a confined or restricted space--e.g., tanks, vaults, or manholes--where impaired airflow and limited mobility increase electrical shock, arc flash, and fire hazards. Voltage in such spaces must be assessed, controlled, and de-energized for safety before entry or maintenance work.

Is electrical energy a hazard in confined spaces?

Electrical energy poses several threats to the health and safety of entrants in confined spaces. It can be a hazard for spaces with a potential for flammable atmospheres, as both the equipment already in the space and the equipment used in the work performed may become ignition sources.

What is a confined space?

A confined space also has limited or restricted means for entry or exit and is not designed for continuous occupancy. Confined spaces include, but are not limited to, tanks, vessels, silos, storage bins, hoppers, vaults, pits, manholes, tunnels, equipment housings, ductwork, pipelines, etc.

What equipment is considered a confined space?

Some pieces of fixed equipment, such as a large industrial mixing vat that can be bodily entered and has a restricted means of entry or exit, are considered confined spaces. In addition, many large boilers that are configured to be bodily entered through a restricted means of entry or exit are also considered confined spaces.

What are the hazards in confined spaces?

Several common hazards in confined spaces include electrical hazards, engulfment, and releases from pipes containing fluids or gases. Electrical energy poses several threats to the health and safety of entrants going into confined spaces.

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It is perfectly suited for confined space applications that contain electrical hazards. It helps comply with both of the OSHA requirements noted above. It provides an additional layer of protection ...

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