

Confined Space Entry

Toolbox Talk



Typical Confined Spaces



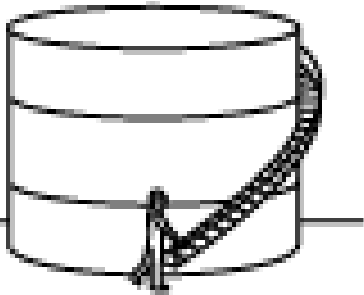
Wells



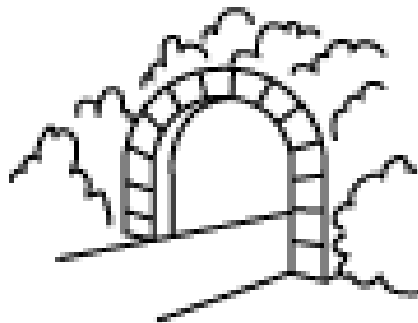
Manholes



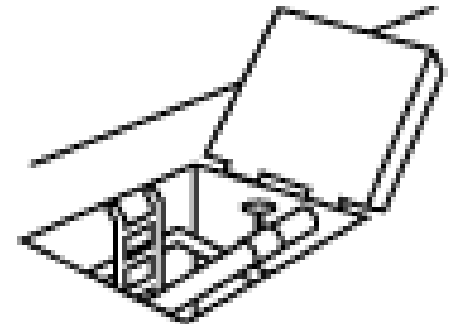
Culverts



Tanks



Tunnels



Subcellars

Hazards of Confined spaces

- Flammable Atmospheres ventilation
- Toxic Atmospheres
- Oxygen Deficient Atmospheres
- Engulfment Hazards
- Temperature Extremes
- Noise, Slick/Wet Surfaces, falling objects



Testing The Confined Space

- Entrants must constantly monitor the confined space in the following order for :
 1. *Combustible gases*
 2. *Toxic gases*
 3. *Oxygen*
- Entrants will be issued a personal monitor to wear for this purpose.
- Entrants must leave the confined space when the monitor alarm is activated.



Testing The Confined Space

- If concentrations of materials are found to be at harmful levels, the confined space must be ventilated to remove them before entry.

Fresh outside air is blown into the space to dilute and remove contaminants and supply oxygen.



Personal Protective Equipment

- Respirator (one of the most important components of PPE in a confined space) or breathing apparatus
- Hard Hats, Safety Glasses, Clothing that protects the torso against chemicals, fires and other
- Gloves, Safety Shoes that protect the hands and feet from various hazards

Rescue Techniques

1.Non-Entry - Rescue without entry into the confined space.



2.Entry by others - (ex fire department)

3.Entry by Trained Employees from the company – ONLY trained personnel within the company will conduct rescues

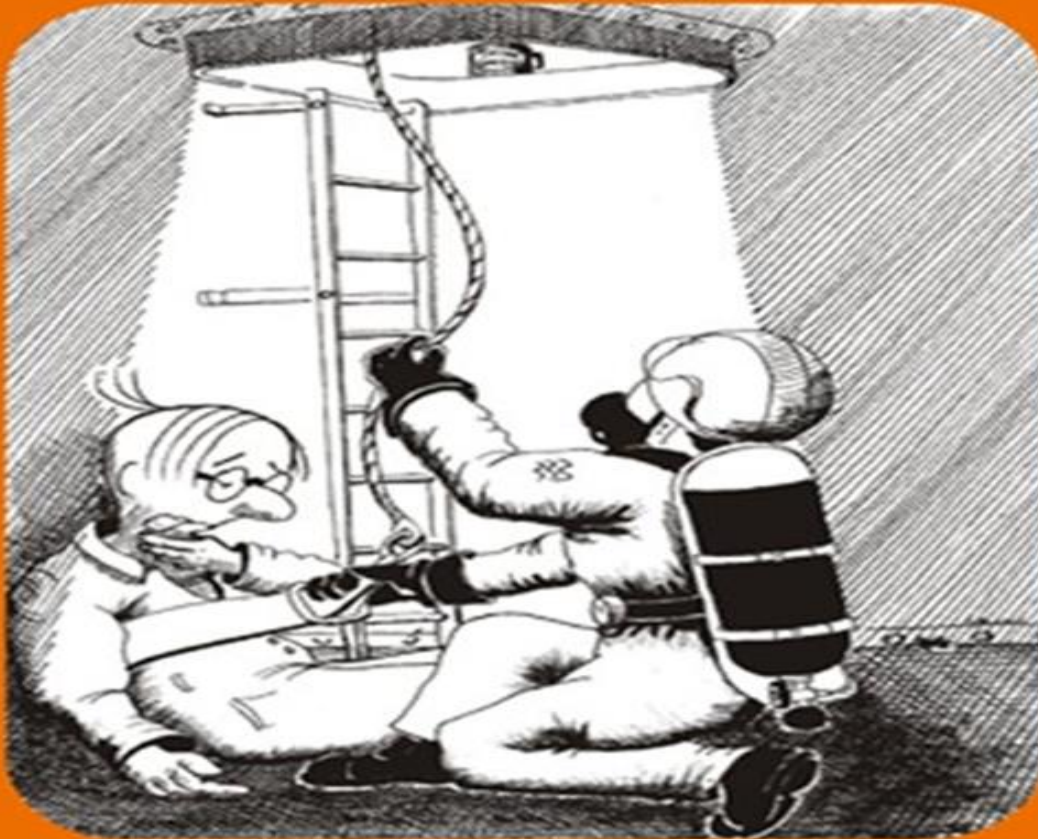
Rescue Equipment

- Tripods with hoist, lifeline and full body harness are often used for emergency extrication. Ladders may be used for ordinary entry and exit.
- Barriers to prevent passers-by and the curious from falling into the opening must be put in place.
- Holes and openings must be closed or guarded when not attended.
- Place warning signs where pedestrians can see them day and night. Signs must state the hazard and the required action.



THINK SAFETY

Confined Spaces



**A confined space is
a dangerous place**

BIBLIOGRAPHY

- *Canadian Centre for Occupational Health and Safety, Confined Space-introduction*
- *SAFETY and HEALTH in CONFINED SPACES , Neil McManus*
- *Confined space rescue, CHASE SARGNT*
- *OSHA Compliance Management. A Guide for Long-Term Health Care Facilities*

ANY QUESTIONS?

***THANKS FOR YOUR
PARTICIPATION!!!***