

## MODULE 4 : CHOOSE PREVENTIVE MEASURES

**Company Name:** IRSST

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**Name of confined space:** Manhole

**Work to be done:** Valve closing

**Description of work:** It is necessary to close the water pipe valve to carry out downstream work

### ■ CONFINED SPACE

#### Atmospheric

**Hazard type / Source:** Asphyxiation / An asphyxiant is present in the confined space even before entering.

**Preventive measures:** Ventilation: dilution, purging

**Preventive measures precision:** Mandatory gas measurement

#### Biological

**Hazard type / Source:** Bioaerosols / Decomposition products, sediments, pathogens, etc., are present in the confined space even before entering.

**Preventive measures:** Ventilation: dilution, purging, Appropriate safety shoes/boots (e.g., waterproof, insulated), Appropriate work clothing, Appropriate gloves for hazards (e.g., chemical, mechanical), Appropriate eye protection

#### Chemical

**Hazard type / Source:** Poisoning / Decomposition products, sediments, pathogens, etc., are present in the confined space even before entering.

**Preventive measures:** Ventilation: dilution, purging

**Preventive measures precision:** Mandatory gas measurement

#### Ergonomic

**Hazard type / Source:** Insufficient light – Poor visibility / The lighting is insufficient in the confined space.

**Preventive measures:** Appropriate work equipment

**Preventive measures precision:** Headlamp

#### Fall

**Hazard type / Source:** Fall from height / Entry into the confined space must be done vertically.

**Preventive measures:** Railing, Fall protection and lifeline, Appropriate harness for fall protection, rescue and work to be done (e.g., resistant against chemicals, arcing)

### **Mechanical**

**Hazard type / Source:** Outside traffic / The work area around the entrance is exposed to road traffic.

**Preventive measures:** Work area signage, safety pictograms

### **Physical**

**Hazard type / Source:** Drowning / The use or general layout of the confined space involves a drowning hazard.

**Precision:** Water pipe

**Preventive measures:** Fall protection and lifeline, Lockout procedure, Professional qualifications

## **TASK**

### **Fall**

**Hazard type / Source:** Fall from height / Progression in the confined space is vertical.

**Preventive measures:** Fall protection and lifeline, Appropriate safety shoes/boots (e.g., waterproof, insulated), Appropriate harness for fall protection, rescue and work to be done (e.g., resistant against chemicals, arcing)