

## MODULE 5 : ESTIMATE RISK BEFORE AND AFTER IMPLEMENTING 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

#### Hazard category

##### Hazard type

Hazard characteristics

**BEFORE the  
introduction of  
preventive measures**  
**Risk estimation**

**AFTER the  
introduction  
preventive measures**  
**Risk estimation**

#### Atmospheric

##### Asphyxiation

An asphyxiant is present in the confined space even before entering.

3

1

#### Biological

##### Bioaerosols

Decomposition products, sediments, pathogens, etc., are present in the confined space even before entering.

2

1

#### Chemical

##### Poisoning

Decomposition products, sediments, pathogens, etc., are present in the confined space even before entering.

3

2

#### Ergonomic

##### Insufficient light – Poor visibility

The lighting is insufficient in the confined space.

1

1

Fall

Fall from height

Entry into the confined space must be done vertically.	4	1
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Mechanical

Outside traffic

The work area around the entrance is exposed to road traffic.	2	1
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Physical

Drowning

The use or general layout of the confined space involves a drowning hazard.	2	1
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TASK

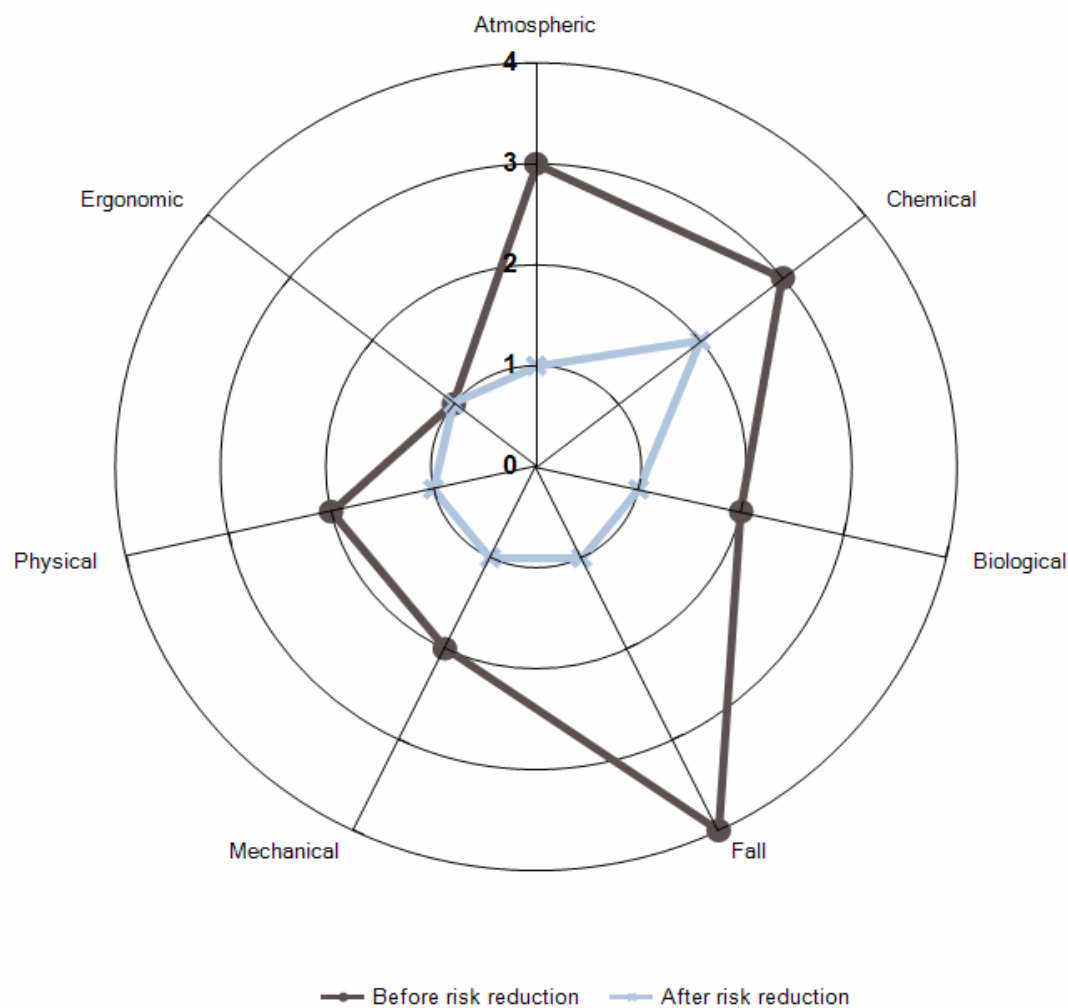
Hazard category	BEFORE the introduction preventive measures	AFTER the introduction of preventive measures
Hazard type	Risk estimation	Risk estimation
Hazard characteristics		

Fall

Fall from height

Progression in the confined space is vertical.	3	1
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# Estimated risks before and after the introduction of preventive measures



	Before risk reduction	After risk reduction
Atmospheric	3	1
Chemical	3	2
Biological	2	1
Fall	4	1
Mechanical	2	1
Physical	2	1
Ergonomic	1	1

**Risk level**  
0=No risk    4=High Risk