



Confined Space Hazard Assessment

*This specific Confined Space Hazard Assessment **MUST** be reviewed and followed along with the site-specific Confined Space Entry Procedure and Rescue Procedure by all workers involved in the confined space work (e.g. responsible supervisor, worker entering, standby person, rescue persons).*

1.0 GENERAL/LOCATION DETAILS

NAME OF SPACE	
SITE ADDRESS	
ASSESSMENT DATE	

2.0 WORK OVERVIEW

3.0 SPACE IDENTIFICATION

These spaces have been identified as “confined spaces” as it meets the definition under the Occupational Health and Safety Regulation (OHSR) Section 9.1, which includes all of the following criteria:

- Enclosed or partially enclosed,
- Not designed or intended for continuous human occupancy
- Has limited or restricted means for entry/exit that may complicate emergency response service (e.g. first aid, evacuation, rescue, etc.)
- Large enough and so configured that a worker can enter to perform work tasks

Photo of Confined Space



Confined Space Hazard Assessment

4.0 SPACE CHARACTERISTICS

DIMENSIONS OF SPACE		ENTRY/EXIT ACCESS POINT	
GENERAL SHAPE		GENERAL SHAPE	
LENGTH		LENGTH	
WIDTH		WIDTH	
HEIGHT		HEIGHT	
DIAMETER		DIAMETER	
VOLUME		VOLUME	
SPACE ABOVE OR BELOW GROUND		# of ACCESS POINTS	
		ACCESS POINT LOCATION	
USE/FUNCTION			
CONTENTS			
EQUIPMENT INSIDE			
ADJACENT PIPING INTO SPACE			
ADJACENT PIPING OUT OF SPACE			

Detailed Photos of Confined Space (e.g. access points, contents, equipment)



Confined Space Hazard Assessment

5.0 ASSESSMENT OF PRE-EXISTING HAZARDS IN SPACE (Not including hazards from work activities)

ATMOSPHERIC TESTING RESULTS						OBSERVATIONS/NOTES
OXYGEN	TOP		MIDDLE		BOTTOM	
LEL	TOP		MIDDLE		BOTTOM	
CARBON MONOXIDE	TOP		MIDDLE		BOTTOM	
HYDROGEN SULFIDE	TOP		MIDDLE		BOTTOM	

RISK LEGEND	LOW (L)	MODERATE (M)	HIGH (H)
-------------	---------	--------------	----------

#	HAZARD	Y	N	RISK	OBSERVATIONS/NOTES
A. ATMOSPHERIC					
1	OXYGEN DEFICIENT (<19.5%)	<input type="checkbox"/>	<input type="checkbox"/>		
2	OXYGEN ENRICHED (>23.0%)	<input type="checkbox"/>	<input type="checkbox"/>		
3	EXPLOSIVE GASES/VAPOURS	<input type="checkbox"/>	<input type="checkbox"/>		
4	CARBON MONOXIDE	<input type="checkbox"/>	<input type="checkbox"/>		
5	HYDROGEN SULFIDE	<input type="checkbox"/>	<input type="checkbox"/>		
B. CHEMICAL					
6	PARTICULATE/DUST (NOT OTHERWISE CLASSIFIED)	<input type="checkbox"/>	<input type="checkbox"/>		
7	CHEMICALS	<input type="checkbox"/>	<input type="checkbox"/>		
8	CHEMICAL RESIDUE/SCALE/SLUDGE	<input type="checkbox"/>	<input type="checkbox"/>		
9	CHEMICAL REACTIVITY	<input type="checkbox"/>	<input type="checkbox"/>		
C. BIOLOGICAL					
10	MOULD/BACTERIA/VIRUSES/PATHOGENS	<input type="checkbox"/>	<input type="checkbox"/>		
11	SEWAGE (HUMAN ORGANIC MATTER)	<input type="checkbox"/>	<input type="checkbox"/>		
12	ANIMAL ORGANIC MATTER	<input type="checkbox"/>	<input type="checkbox"/>		
D. PHYSICAL					
13	NOISE (>85 dBA L_{ex} or 140 dBC peak sound level)	<input type="checkbox"/>	<input type="checkbox"/>		
14	VIBRATION	<input type="checkbox"/>	<input type="checkbox"/>		
15	NON-IONIZING/IONIZING RADIATION	<input type="checkbox"/>	<input type="checkbox"/>		
16	LASER	<input type="checkbox"/>	<input type="checkbox"/>		
17	THERMAL EXTREMES	<input type="checkbox"/>	<input type="checkbox"/>		
18	HOT/COLD SURFACES/MATERIALS	<input type="checkbox"/>	<input type="checkbox"/>		
19	LIGHTING/VISIBILITY	<input type="checkbox"/>	<input type="checkbox"/>		
20	ERGONOMIC	<input type="checkbox"/>	<input type="checkbox"/>		
E. PHYSICAL DESIGN/CONFIGURATION					
21	STRUCTURAL	<input type="checkbox"/>	<input type="checkbox"/>		
22	FLOOR OPENINGS	<input type="checkbox"/>	<input type="checkbox"/>		
23	FALLS	<input type="checkbox"/>	<input type="checkbox"/>		
24	ENTRY/EXIT	<input type="checkbox"/>	<input type="checkbox"/>		
25	OVERHEAD/UNDERNEATH	<input type="checkbox"/>	<input type="checkbox"/>		
26	PERSONAL CONFINEMENT	<input type="checkbox"/>	<input type="checkbox"/>		
27	OBSTACLES	<input type="checkbox"/>	<input type="checkbox"/>		



Confined Space Hazard Assessment

#	HAZARD	Y	N	RISK	OBSERVATIONS/NOTES
F. EQUIPMENT/CONTENT					
28	MECHANICAL	<input type="checkbox"/>	<input type="checkbox"/>		
29	PNEUMATIC	<input type="checkbox"/>	<input type="checkbox"/>		
30	HYDRAULIC	<input type="checkbox"/>	<input type="checkbox"/>		
31	ELECTRICAL	<input type="checkbox"/>	<input type="checkbox"/>		
32	ADJACENT PIPING	<input type="checkbox"/>	<input type="checkbox"/>		
33	ENGULFMENT	<input type="checkbox"/>	<input type="checkbox"/>		
34	ENTANGLEMENT	<input type="checkbox"/>	<input type="checkbox"/>		
G. GENERAL SAFETY					
35	SHARPS	<input type="checkbox"/>	<input type="checkbox"/>		
36	VEHICULAR TRAFFIC/MOVING EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>		
37	PUBLIC INTERFERENCE	<input type="checkbox"/>	<input type="checkbox"/>		
38	ANIMAL INTERACTION	<input type="checkbox"/>	<input type="checkbox"/>		
39	COMMUNICATION	<input type="checkbox"/>	<input type="checkbox"/>		
40	SLIPS/TRIPS	<input type="checkbox"/>	<input type="checkbox"/>		
41	WEATHER CONDITIONS	<input type="checkbox"/>	<input type="checkbox"/>		

6.0 ADDITIONAL HAZARDS (Based on planned work activities)

WORK ACTIVITIES					
#	ADDITIONAL HAZARDS	Y	N	RISK	OBSERVATIONS/NOTES
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		

7.0 CLASSIFICATION OF CONFINED SPACE BASED ON THE HAZARDS FROM THE SPACE AND WORK ACTIVITIES

“Low hazard atmosphere” means an atmosphere which is shown by pre-entry testing or otherwise known to contain clean respirable air immediately prior to entry to a confined space and which is not likely to change during the work activity.

“Moderate hazard atmosphere” means an atmosphere that is not clean respirable air but is not likely to impair the ability of the worker to escape unaided from a confined space, in the event of a failure of the ventilation system or respirator.

“High hazard atmosphere” means an atmosphere that may expose a worker to risk of death, incapacitation, injury, acute illness or otherwise impair the ability of the worker to escape unaided from a confined space, in the event of a failure of the ventilation system or respirator. *It is important to note, UBC workers do not enter confined spaces with high hazard atmospheres*

	LOW, MODERATE, HIGH	RATIONALE
ATMOSPHERIC HAZARD CLASSIFICATION:		



Confined Space Hazard Assessment

8.0 SIGN OFF BY QUALIFIED PERSON

QUALIFIED PERSON COMPLETING CONFINED SPACE HAZARD ASSESSMENT	
NAME AND DESIGNATIONS	
TITLE	
CONTACT INFORMATION	
SIGNATURE	
ASSESSMENT DATE	

9.0 DISCLAIMERS

This document only outlines potential hazards that were identified for the space and planned work activities conducted by UBC workers at the time the assessment was conducted. Should there be any change to the space characteristics, potential hazards and/or planned work activities, all work must stop and the responsible supervisor must be notified immediately. A Qualified Person, as defined in the Occupational Health and Safety Regulation Section 9.11, must reassess the space and update this Confined Space Hazard Assessment accordingly.

Refer to the Confined Space Entry Procedure specific to this space for a list of equipment, tools, materials, controls and steps to take for safe entry, work and rescue. Should there be any changes made to this Confined Space Hazard Assessment, the site-specific Entry Procedure must also be reassessed by the Qualified Person and updated accordingly.