DALHOUSIE UNIVERSITY

Dalhousie University, Department of Facilities Management

Confined Space Inventory and Hazard Assessment Form

Building No. or Description of Location:	Room Number:	Date:
Confined Space No:	Warning Sign Posted Yes _____ No ____	

Description of the Entrance and the Inside of the Confined Space:

Method of Entry: _____ No. of Access / Egress Points
(Climbing, crawling, bending, mechanical assistance)

Dimensions of Access / Egress Opening(s):

Length: _____ Width: _____ Diameter _____

Is Access or Egress Restricted?: Yes ___ No ___

Dimensions of the Internal Space:

Length: _____ Width: _____ Height: _____ Diameter: _____

Volume of Space: _____

Type of Work Normally Conducted in Space: Frequency of Work Performance:

Hazard Identification, Assessment and Control

Benchmark Atmospheric Testing
(Record the results of atmospheric testing when the confined space is first identified or at the time of the first entry for comparison with future test results.)

Parameters	Acceptable	Not Acceptable	1st Test	2nd Test
Oxygen Min 19.5 % Max. 22.5%			%	%
Flammability (% of LEL)			%	%
Carbon Monoxide			ppm	ppm
Hydrogen Sulphide			ppm	ppm
Toxic			ppm	ppm
Toxic				

Hazard Category	Yes	No	Control Measures (If necessary use additional sheets of paper to record control measures.)
Atmospheric Hazards Oxygen deficiency or enrichment Flammable and combustible materials (Gases, vapours, mists, dust, excess oxygen) Toxic chemicals (Gases, vapours, mists, dust, excess oxygen) Asphyxiants (Displacement of air by another gas)			

Hazard Category	Yes	No	Control Measures
Biological Hazards Bacteria (Fecal matter) Viruses Fungi Moulds Animals (insects, rodents, squirrels, raccoons) Sharp objects (needles and rust or nails and rust) **Physical Hazards** Electrical (live wires, ungrounded tools or equipment, static, sparking tools, damaged power cords or extension cords) Noise Heat (hot surfaces, steam, high air temperature) Cold Inadequate lighting Slippery Surfaces Vibration Hazardous Energy Sources such as: • Mechanical (spring loaded equipment)			

Hazard Category	Yes	No	Control Measures
• Hydraulic Pressure • Pneumatic pressure • Steam lines • Electrical Installations Traffic Falling objects Water or other liquids Engulfment (collapse of soil banks or old stone walls, liquids, trench cave-ins) **Configuration Hazards** Long traverses Low ceilings Vertical drops or rises Narrow spaces Sloped surfaces Uneven floors			

Hazard Category	Yes	No	Control Measures
Multiple compartments (Spaces extending off the main space.) Pipes, concrete or steel beams or posts in the space. **Additional Hazards** Tools and equipment that will be used Weather phenomena Activities of the work being performed Inadequate hazard assessments prior to starting work. Employees not trained or poorly trained. Lack of, or improper, personal protective equipment or emergency equipment. Not following the confined space program and procedures. Employee Physical Fitness Mental fitness (claustrophobic)			

Photographs

Photo Numbers:

Assessment Conducted By: _____

Signature: _____ Date: _____

COMMENTS: