

## CONFINED SPACE ENTRY PERMIT

Date	Permit Duration (Not more than one shift, in hours)						
UW Confined Space #, Description, Location, Address							
Purpose of entry							
Department/Unit Responsible for Entry							
Entry Supervisor				Phone			
Entry Attendant(s)				Entrant(s)			
<b>COMMUNICATIONS PROCEDURES FOR ENTRY TEAM (Including Equipment)</b>							
<input type="checkbox"/> Two Way Radio/Hand-held Device <input type="checkbox"/> Voice <input type="checkbox"/> Other (Specify)							
Details & Instructions for Use							
<b>EMERGENCY COMMUNICATIONS AND PROCEDURES</b>							
Person, Team or Unit Responsible for Non-Entry Rescue							
Person, Team or Unit Responsible for Entry Rescue Seattle Fire Department: Call (206) 386-1498 prior to entry				How to Summon Entry Rescue			
Off-Site Rescuer Aware of Entry? <input type="checkbox"/> Yes <input type="checkbox"/> No				On-Site Rescuer Prepared for Non-Entry Rescue? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>HAZARDS OR POTENTIAL HAZARDS (List below)</b>				<b>PLANS, SAFETY EQUIPMENT, AND PPE NEEDED (See back for guidance)</b>			
<b>VENTILATION TIME IN MINUTES (See back for guidance on calculations – Done before ventilation)</b>							
Minutes:							
AIR TESTING: At least pre-ventilation, upon entry, and every 15 minutes. Use back of permit if needed.				If LEL is greater than 10% STOP ENTRY, ventilation can continue If LEL is greater than 50% STOP ENTRY/STOP VENTILATION			
TEST (Top/Middle/ Bottom)	TIME	INITIALS	Oxygen (O <sub>2</sub> ) Range (19.5 – 23.5%) Normal – 20.8%	Lower Explosive Limit (<10% for entry)	Carbon Monoxide (CO) (<35 PPM for entry)	Hydrogen Sulfide (H <sub>2</sub> S) (<10PPM for entry)	OTHER
Pre-Ventilation							
Entry (0 min)							
Exit							
<b>ENTRY APPROVAL AND REVIEW</b>							
Entry Supervisor Signature					Time		
Problems During Entry							

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Use these sections to guide your hazard assessment, then enter the final data on the front.

HAZARDS OR POTENTIAL HAZARDS	PLANS, SAFETY EQUIPMENT AND PPE NEEDED												
<b>FALL, FALLING OBJECT &amp; HEAD KNOCK HAZARDS</b> - Ladder entry - Vertical hoist entry - Elevated platforms	<input type="checkbox"/> Retrieval/Fall Harness <input type="checkbox"/> Lanyard <input type="checkbox"/> Retrieval Hoist <input type="checkbox"/> Anchor/Tripod <input type="checkbox"/> Hard Hat <input type="checkbox"/> Fall protection plan												
<b>ATMOSPHERIC HAZARDS</b> - Oxygen deficiency - Toxic - Flammable (Including too much oxygen)	<input type="checkbox"/> Air monitor					Model/Serial #							
						Calibration date							
	<input type="checkbox"/> Mechanical ventilation					Type(brand)/CFM							
						<input type="checkbox"/> Personal alarm system (PASS)					<input type="checkbox"/> Escape Respirator		
<b>AIRBORNE CONTAMINANTS</b> - Dust - Vapors/Mists	<input type="checkbox"/> Respiratory protection					Respirator type/Cartridge type:							
<b>INADEQUATE LIGHTING</b>	<input type="checkbox"/> Portable Lighting												
<b>SPARKS &amp; OPEN FLAME</b>	<input type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Fire watch <input type="checkbox"/> Hot work permit												
<b>VEHICLE &amp; PEDESTRIAN TRAFFIC</b>	<input type="checkbox"/> Barricades <input type="checkbox"/> Flagger <input type="checkbox"/> Temporary traffic control plan												
<b>HAZARDOUS ENERGY</b> - Mechanical                      - Steam - Electrical                          - Compressed air, etc. - Hydraulic	<input type="checkbox"/> LOTO materials <input type="checkbox"/> Blocks <input type="checkbox"/> LOTO form												
<b>OTHER HAZARDS:</b>	Controls:												
<b>VENTILATION CALCULATIONS (Done before ventilation)</b>													
<b>How to calculate ventilation time:</b> 1. Volume of space = Length x Width x Height 2. Air changes = 20 <b>CFM</b> = Flow rate from mechanical ventilation device in cubic feet per minute Ventilation Time (MINUTES) = Volume of space (Cubic Feet) x 20 Air Changes ÷ Flow Rate (CFM)													
<b>TEST (Top/Middle /Bottom)</b>	<b>TIME</b>	<b>INITIALS</b>	<b>Oxygen (O<sub>2</sub>) Range (19.5 – 23.5%) Normal – 20.8%</b>	<b>Lower Explosive Limit (&lt;10% for entry)</b>	<b>Carbon Monoxide (CO) (&lt;35 PPM for entry)</b>	<b>Hydrogen Sulfide (H<sub>2</sub>S) (&lt;10PPM for entry)</b>	<b>OTHER</b>						
Exit													