


<b>Job Title:</b>		<b>Confined Space Work</b>		<b>Operations Approval (Name; Position):</b>	
<b>JHA Developed By (Name; Position):</b>					
<b>JHA Revised By (Name; Position):</b>				<b>HSE Approval (Name; Position):</b>	
<b>JHA Revision Date:</b>				Dean Neuburger; Director, OHS&E	
Job Steps		Potential Hazards	Risk Rating (Before Controls)	Hazard Controls	Risk Rating (After Controls)
1	Pre-Task Planning and Preparation	1. Failure to correctly identify and communicate hazards for a hazard assessment.	C3	1. Training and knowledge of proper procedures, elimination, substitution, engineering or administrative controls, proper PPE selection, rescue planning, certification. Complete safe work permit according to procedure.	C5
2	Working in Confined Spaces	1. Strains from working in areas that require prolonged stretching motions and/or static positions 2. Become stuck and unable to exit 3. Inadequate ventilation 4. Work processes or surrounding activities creating gases, vapours, fumes, or a dangerous atmosphere 5. Work above, below or beside, causing hazards for falling material 6. Slip, trips, falls 7. Cuts, punctures 8. Debris in eye. 9. Electrical shock from power tools or equipment.	B2	1. Stretch and flex before starting and limit the time in the confined space. Exit the space frequently to take ergonomic breaks and stretch. 2. Know your limits and body size, stay away from areas you will be unable exit. SCBA tanks, hoses and tools must be taken into account. 3. Ventilate the space through positive mechanical ventilation; perform pre-access and ongoing air testing in the confined space. 4. Assess the area for other work activities and have them stopped if they will negatively affect the atmosphere in the confined space. If using chemicals in the space ensure adequate preparation thru the reading of the MSDS and following personal protection and engineering controls listed. 5. Communicate planned tasks with all workers onsite including rescue personnel. Secure all tools and materials when working above others. 6. Ensure proper housekeeping prior to, throughout, and upon completion of the task. Plan your path of travel. 7. Cut resistant gloves to be worn at all times 8. Position any fans used so they are not disturbing loose debris. Ensure proper housekeeping prior to, throughout, and upon completion of the task. Keep sealed glasses worn tight to the face as well as your face shield (if needed for the task). 9. Inspect all tools prior to use, tag out any tools that are deficient. Ensure all power equipment is GFI protected.	C5

		<ul style="list-style-type: none"> <li>10. Inadequate lighting reducing the ability to recognize hazards.</li> <li>11. Sparks/arcs from welding, grinding or other processes.</li> <li>12. Lack of training, certification, or experience.</li> <li>13. Failure to recognize potential hazards.</li> </ul>		<ul style="list-style-type: none"> <li>10. Ensure enough/adequate lighting is in place before beginning the task.</li> <li>11. Complete a proper hot work permit and communicate all hazards to surrounding workers. Ensure a fire extinguisher is readily available for immediate use. A spark watch and/or spotter may be required.</li> <li>12. Training and knowledge of the SWP, JHA and proper PPE selection, refer to the HSE department for guidance if required.</li> <li>13. Work outside the confined space whenever possible and pre-plan work so a confined space is not created or work will not have to be completed in this area.</li> </ul>	
3	Safety Watch and Rescue	<ul style="list-style-type: none"> <li>1. Inadequate planning, equipment, or training in place causing the failure of effective rescue.</li> <li>2. Lifeline or harness causing an increased hazard to worker.</li> <li>3. Inadequate communication.</li> <li>4. No safety watch.</li> <li>5. Lack of first aid and rescue response.</li> <li>6. Rescue and emergency equipment not in place.</li> </ul>	C2	<ul style="list-style-type: none"> <li>1. Workers trained and educated. All equipment is CSA approved.</li> <li>2. Lifelines and harnesses will not be used if they create an additional hazard to the workers.</li> <li>3. Effective communication in place between safety watch and workers in confined space.</li> <li>4. Task must be attempted without a qualified safety watch in place.</li> <li>5. Third party technical rescue has been contacted of activities, and rescue plan is in place and has been reviewed prior entry. First aid kit, eye wash station, radio, air horn, and cell phone all in place and available.</li> <li>6. All rescue and safety gear is inspected and in good working condition before entry. Rescue equipment is setup outside area whenever possible.</li> </ul>	C5
4	Job Completion	<ul style="list-style-type: none"> <li>1. Lack of waste disposal.</li> <li>2. Failure to inspect space.</li> </ul>	C3	<ul style="list-style-type: none"> <li>1. Ensure all waste is disposed of according to waste disposal plan.</li> <li>2. Ensure space is inspected for workers, tools or equipment. Once the confined space is secure, close out the permit and submit it to the Site Superintendent/HSE Coordinator.</li> </ul>	C5
Highest Task Risk Rating			B2 (High)	Highest Task Risk Rating	C5 (Low)

Safety Guidelines Required For Task (Completed on site)											
Process		PPE		Health		Training		Environment		Security	
<input checked="" type="checkbox"/>	Pre Job Hazard Analysis	<input type="checkbox"/>	Arc flash coveralls	<input type="checkbox"/>	Traction Aids	<input type="checkbox"/>	Bear awareness	<input type="checkbox"/>	Spill kit	<input type="checkbox"/>	Daylight time only
<input type="checkbox"/>	FLRA	<input type="checkbox"/>	Disposable coveralls	<input type="checkbox"/>	Goggles	<input type="checkbox"/>	Collision avoidance	<input type="checkbox"/>	Drip trays	<input type="checkbox"/>	Guards & barriers
<input checked="" type="checkbox"/>	JHA review	<input checked="" type="checkbox"/>	Ear plugs	<input type="checkbox"/>	Face shield	<input type="checkbox"/>	CSTS	<input type="checkbox"/>	Traffic Mgt.	<input type="checkbox"/>	Journey Mgt.
<input checked="" type="checkbox"/>	Signage (Safety/Wet Floor)	<input type="checkbox"/>	Ear muffs	<input checked="" type="checkbox"/>	Cut resistant gloves	<input type="checkbox"/>	Confined space	<input type="checkbox"/>	Wildlife Mgt.	<input type="checkbox"/>	Buddy system
<input checked="" type="checkbox"/>	Spotter	<input checked="" type="checkbox"/>	Hard hat	<input type="checkbox"/>	Chain-mail gloves	<input type="checkbox"/>	Fall protection	<input type="checkbox"/>	Bear spray	<input type="checkbox"/>	Radio contact
<input type="checkbox"/>	LOTO	<input type="checkbox"/>	Harness	<input type="checkbox"/>	Knee pads	<input type="checkbox"/>	Fire extinguisher	<input type="checkbox"/>	Air horn	<input type="checkbox"/>	ERP
<input checked="" type="checkbox"/>	PTW (Permit to Work)	<input type="checkbox"/>	Lanyard	<input checked="" type="checkbox"/>	Steel toed boots (6")	<input type="checkbox"/>	Energy Isolation	<input type="checkbox"/>	Insect Repellant	<input type="checkbox"/>	Other
<input type="checkbox"/>	Toolbox	<input type="checkbox"/>	Life line	<input type="checkbox"/>	Other	<input type="checkbox"/>	Loader	<input type="checkbox"/>	Ventilation	<input type="checkbox"/>	
<input type="checkbox"/>	Ventilation	<input type="checkbox"/>	Leather gloves; Gauntlets	<input type="checkbox"/>		<input type="checkbox"/>	Skid steer	<input type="checkbox"/>	Other	<input type="checkbox"/>	
<input type="checkbox"/>	SDS review	<input checked="" type="checkbox"/>	eyewear	<input type="checkbox"/>		<input type="checkbox"/>	Spill responder	<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>	Fall Protection Plan	<input type="checkbox"/>	Respiratory protection	<input type="checkbox"/>		<input type="checkbox"/>	TDG	<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>	Barricades	<input type="checkbox"/>	Arc flash gloves	<input type="checkbox"/>		<input checked="" type="checkbox"/>	WHIMIS	<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>	Temp logs and verification	<input type="checkbox"/>	Arc flash face shield	<input type="checkbox"/>		<input type="checkbox"/>	Other	<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>	Other	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	

Probability	Severity						
		Catastrophic Death or multiple life-threatening principals	Major Life threatening injury or multiple serious injuries causing hospitalization	Moderate Significant serious injury Non- permanent injury	Minor Medical Help needed, Treatment by medical professional	Insignificant Injuries or ailments not requiring medical treatment	
		1	2	3	4	5	
	A	<b>Almost Certain:</b> Almost certain to occur in most circumstances	1	1	1	2	2
	B	<b>Likely:</b> Likely to occur frequently	1	1	2	2	2
	C	<b>Possible:</b> Possible and likely to occur at some time	1	2	2	2	3
	D	<b>Remotely Possible:</b> May occur in rare and exceptional circumstances	2	2	2	3	3

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