

Job Title:			Spray Foam		Operations Approval (Name; Position):		
JHA Developed By (Name; Position):							
JHA Revised By (Name; Position):					HSE Approval (Name; Position):		
JH	A Revision Date:				Dean Neuburger; Director, OHS&E		
	Job Steps		Potential Hazards Risk Rating (Before Controls)		Hazard Controls	Risk Rating (After Controls)	
1	Hazard Assessment of work area. Gather tools and materials.	*Fall	ol from lifting and/or carrying tools & materials (slip, trip) from poor housekeeping or bund conditions. Other personnel in application areas.	C4	Hazard assessment of work area prior to start of task. Stretch/warm-up, follow safe lifting techniques, and get help for awkward or heavy lifts (>45 lbs).  Watch footing, use clear access routes, keep tools & materials tidy at all times, clean up during task. Flag and tag spray application areas. Wear all site-specific PPE	C5	
2	Inspect all equipment, tools and materials	Scrape	from handling large/awkward objects es, punctures, or slivers from tools, bits, wood and fasteners truck by falling objects, loose tools	C4	Stretch, micro-breaks, ensure proper grip, bend & lift with legs instead of back, and get help when necessary (>45 lbs, etc.)  Watch hand placement, extra caution when handling sharp tools, inspection of PPE & equipment ensure proper 1/4ly color inspection tape is visible. Wear appropriate PPE for the required task.	C5	
3	Review manufacturer's directions, MSDS and SWP for application of SPF.	Unclear	r instruction. Misinformation. Untrained personnel.	C4	Ensure that only trained personnel perform the task. Ensure all workers are clear about application instructions. Ensure MSDS review for both A and B Components are understood and signed off on review.	C5	
4	Identify and obtain the proper Personal Protective Equipment.	not w	nal Protective Equipment improperly or worn for task. Contact from chemicals sing eye / skin irritation. Respiratory ation / inflammation. Damaged PPE.	C4	Ensure the proper Personal Protective Equipment is used as per SWP / Manufacturer's direction and MSDS. Do not use PPE that is worn or damaged, use correctly maintained PPE.	C5	
5	Shut off any ignition sources in the application area.	Explosio	on from contact with ignition source and pressurized chemicals.	C4	Ensure no open flames or ignition sources are present in the spray application area. Lock out / Tag out of ignition sources.	C5	



6	Protect areas from over spray	Damage to finished product.	C4	Cover surrounding areas to with plastic or drop clothes to prevent over spraying onto finished products.	C5
7	Set-up Spray Polyurethane Foam Kits	Missing or damaged equipment. Incorrect temperature of cylinders / chemicals. Chemical inconsistent mixture. Pinch points from equipment.  Pressurized chemicals.	C3	Identify the product and accessories. Ensure temperature of product is correct (24-29 degrees Celsius) Use heating blankets or tank warmers if unable to keep at correct temperature. Before use warm kits for a minimum of 1 day at 24 – 29 degrees Celsius. Allow 2-3 extra days during colder months to bring chemicals to optimum temperature. Tanks must be warm to the touch. Shake contents well prior to use in order to thoroughly mix chemicals. Watch hand and body placement. Wear appropriate PPE.	C5
8	Application of SPF	Over spray of SPF. Poor ventilation. Skin / eye and respiratory irritation. Clogging of spray foam equipment.	C3	Cover surrounding areas to prevent SPF from contacting finished product. Open windows / doors or use mechanical ventilation (fans)  If you have not sprayed for over 30 seconds or constantly for 8 minutes switch out applicator tips to prevent clogging.	C5
9	Clean–up and storage	Chemical spillage or pressurized release. Environmental contamination. Improper storage of chemicals.	C4	Wear all specified PPE. Use correct waste container for disposal of used materials and equipment. Do not discharge into drains, surface water or ground water. Store in a dry area, away from open flames or ignition sources.	C5
Highest Task Risk Rating C3 (Med) Highest Task Risk Rating C5					



Safety Guidelines Required For task						
Process	PPE		Health	Training	Environment	Security
Pre Job Hazard Analysis	Arc flash coveralls	Yak tracks - Cleats	Nitrile glove	Bear awareness	Spill kit	Working Alone
FLRA	Disposable coveralls	Goggles	Hand Washing	CTEC	Drip trays	Daylight time only
JHA review	Ear plugs	Face shield	Ergonomics	CSTS	Traffic Mgt.	Guards & barriers
Signage (Safety/Wet Floor)	Ear muffs	Cut gloves	Other	Confined space	Wildlife Mgt.	Journey Mgt.
Spotter	Hard hat	Chain-mail gloves		Fall protection	Bear spray	Buddy system
LOTO	Harness	Leather gloves		Fire extinguisher	Air horn	Radio contact
PTW (Permit to Work)	Lanyard	½ Respiratory mask		LOTO	Vibration	ERP contact list
Toolbox	Life line	Other		Loader	Ventilation	Other
Ventilation	Knee pads			Skid steer	Other	
SDS review	Sealed eyewear			Spill responder		
Fall Protection Plan	Steel toed boots			TDG		
Barricades				WHIMIS		
Temp logs and verification				Other		
Other						

	Severity						
ty	INDUSTRA	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	
pilli		1	2	3	4	5	
Probability	A Almost Certain: Almost certain to occur in most circumstances	1	1	1	2	2	
<b>Q</b>	Likely: Likely to occur frequently	1	1	2	2	2	
	Possible: Possible and likely to occur at some time	1	2	2	2	3	
	Remotely Possible:  May occur in rare and exceptional circumstances	2	2	2	3	3	





Name (print)	Name (sign)	Date (yyyy/mm/dd)
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