



Date: Nov 6, 2015

Revision: February 2025, June 2025

JOB PHASE	TASKS	HAZARDS	Severity (1-4)	Probability (1-5)	Risk Before	CONTROLS / STANDARDS	Severity (1-4)	Probability (1-5)	Risk After	Superintendent	General Foreman	Bench Pipe Fitter	B-Welder	Rig Welder	Metal Mover	Fitter/Welder's Helper	Pipe Cutter	Pressure Test	Equipment Operator	Crane Operator	Driver	Yard Labour	QC Inspectors	Safety	Shipper/Receiver
					Risk (1-20)				Risk (1-20)																
					Green = Low Yellow = Medium Orange = High Red = Extreme				Green = Low Yellow = Medium Orange = High Red = Extreme																
Receive Material	Verify Load	Falls from trailer, environmental exposure, material falling	2	1		Use of trailer stairs	2	1																	
	Unload Trailer	Equipment Damage, Injury, Crush/Pinch Injuries, Equipment Upset, Soft Ground Conditions, Load shifting, Removal of	4	3		SWP 44 Mobile equipment	4	3																	
	Telehandler Use	Equipment Upset, Damage, Crushed Against Trailer, Struck By Material, Equipment Failure	3	3		SWP 44 Mobile equipment, use of spotters	3	3																	
	Spotting for Zoomboom	MSI, Pinch Crush Injury, Falls Same Level, Struck by Material, Swinging Material	3	3		SWP 44, rigging failures, proper footwear	3	3																	
	Mobile Crane Use	Equipment Upset, Damage, Crushing Injury, Struck By Material Injury, Soft Ground	3	3		SWP 34, SWP 55	3	3																	
	Walking in Yard	Falls, Trips, Uneven Ground, Ice, Changing Conditions, Equipment in Area, Changing/hangine Operational ConditionsC	2	2		Maintain ground conditions, traction aids	2	2																	
	Snow Removal - Skid Steer	Contacting Facilities or Equipment, Hidden Material, Blind Spots, Equipment Failure	2	2		SWP 44, use of spotters	2	2																	
	Removal of Vegetation-Laydown	Insects stings, Flying Debris, lacerations , evironmental exposures	1	1		Maintain ground conditions, traction aids	2	2																	
	Working around mobile equipment	Crush Injuries, Struck by Equipment, Constantlycontantly Changing Enviroment, Nois, Equipment Upset Levels C	3	2		SWP 44, use of spotters, equipment to be given the right of way	3	2																	
	Material Handling & Storage	Equipment Upset, Damage, Crushing Injury, Struck By Material Injury, Rolling, MSI	3	3		SWP 22, loads to be secured, spotters to be in place	3	3																	
Cut Material	Buffing off Coatings (As Needed)	Eye Injury, Lacerations, Respiratory Exposure, Noise, Sparks, Heat, Rotating Equipment	2	2		Double eye protection, match grinder RPMs to grinders	2	2																	
	Use of Shop Overhead Cranes	Equipment Damage, Crushing Injury, Struck By Material Injury, Struck by Falling Material, Equipment Failure, Stroed B	2	2		SWP 34, SWP 55, crane competency assessments	2	2																	
	Cutting Pipe - Beveler	Burns, Pinch Injury, Back Injury, Noise, Pipe Securement, Heat, Sparks	3	2		Avoid the line of fire, torches to be lit with strikers	3	2																	
	Cutting Pipe - Band saw	Severe Lacerations, Eye Injuries, Chemical Exposure, Noise, Flying Debris, Falling Material, Blade Binding	3	2		Double eye protection, follow OEM requirements	3	2																	
	Threading/Bevling Pipe	Pinches, Lacerations, Rotating Equipment, Nose, Flying Debris	2	2		Maintain line of fire, use of PPE	2	2																	
	Use of Pipe Stands	Improper weight/size rated stands, damaged equipment	2	2		Avoid the line of fire, material to be stacked and secured	2	2																	
	Fitting Pipe	Lifting Injuries, Pinch Injuries, Crush Injuries, Lacerations, Suspended Loads, Unsecured Loads	4	3		Avoid the line of fire, use of	2	2																	
Fit Pipe on Bench	Tack Welding	Welder's Flash, Burns, Heat, Welding Fumes, Compressed Gas	3	3		Use of mechanical lifting devices, PPE	3	3																	
	Grinding/Cutting/Buffering - Grinder	Lacerations, Eye Injuries, Respiratory Hazards, Injury from Exploding Disks, Pinches, Rotating Equipment, Nose, Flyin	2	2		Double eye protection, welding helmets	2	2																	
	Pre-Heating	Burns, Fires, Explosions, Compressed Gas	3	2		SWP 26, double eye projection, avoid the line of fire	3	2																	
	Welding Pipe	Respiratory Hazards, Welding Flash, Lacerations, Burns, Noise, Rotating Equipment	2	2		Inspect equipment prior to use, SWP 35 Propane Cylinders	2	2																	
	Attach Elbow/Flange Grabbers	MSI, Pinch Injuries, Overloading Wheels, Line of Fire	4	3		COP 02 Respiratory Protection	4	3																	
Move Spools	Installing Pipe in Wheels	MSI, Pinch Injuries, falling material, swinging loads, equipment failure	2	1		Avoid, pinch points, do not pull wrenches towed yourself	2	1																	
	Set Up Counterweights	MSI, Pinch Injuries, Burns, Crush Injuries, securement of counterweights, uncentered load/balance point	2	1		Avoid, pinch points, do not pull wrenches towed yourself	2	1																	
	Rolling Pipe	Pinch Injuries, Crush Injuries, Material Falling, Asset Damage, Load Walking	2	2		Avoid, pinch points, do not pull wrenches towed yourself	2	2																	
	Welding	Respiratory Exposure, Welding Flash, Lacerations, Burns, Rotating Equipment, Heat, MSI	2	2		Avoid, pinch points, do not pull wrenches towed yourself	2	2																	
Weld Pipe (Wheels)	Pickling	Chemical Burns, Respiratory Exposure/Fumes	3	1		Avoid the line of fire, stack pipe on level ground, strap pipe	3	1																	
	Blow spools out with high pressure Air	Flying Debris	2	2		COP 02 Respiratory Protection	2	2																	
	Setting up Lines	MSI, Equipment Damage, Crush Injury, Lacerations	4	2		COP 02 Respiratory Protection, use of face shields	4	2																	
	Installing Blinds	MSI, Lacerations, Equipment Damage, Pinch Points	3	2		Avoid line of fire, use of PPE, use mechanical or team lifts as required,	2	2																	
Pressure Testing	Pressure Testing	Chemical Exposure, Injection Injuries, insufficient barricaded area, uncontrolled release, noise	3	2		Use of whipchecks, inspect hoses and fittings	3	2																	
	Use of Pumps	Chemical Exposure, Injection Injuries, insufficient barricaded area, uncontrolled release, noise	2	2		Use of engineered lifting devices	2	2																	
	Draining Lines	Chemical Exposure, Environmental Release, slip trips(winter)	2	2		SJP 09, SDS review, PSV	2	2																	
	Break Apart Lines	MSI, Lacerations, stored energy	2	1		SDS for fuel, use pumps in ventilated area	2	1																	
	Loading Trailers	MSI, Lacerations, Crush Injuries, Equipment Damage, Property Damage	2	2		SDS for test medium, maintain system drains	2	2																	
	Shipping Prep Spools - SEE additions	Lacerations, MSI, Equipment Damage, Injury, Crush/Pinch Injuries, Equipment Upset, Soft Ground Conditions	3	2		SWP 74 wrench use, maintain body position	3	2																	
Load Trailers	Loading Trailers	MSI, Lacerations, Crush Injuries, Equipment Damage, Property Damage	4	2		Avoid line of fire, use of PPE	4	2																	
	Shipping Prep Spools	Lacerations, MSI	1	2		Avoid line of fire, use of PPE, use approved cutting tools	1	2																	