



TASK INVENTORY

Division: Production Services
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JOB PHASE	TASKS	HAZARDS	Severity (1-4)	Probability (1-5)	Risk Before	CONTROLS / STANDARDS	Severity (1-4)	Probability (1-5)	Risk After	Pipeline Spread	Foreman	Pipefitter	Equipment Operator (Dozer)	Equipment Operator (Excavator)	Equipment Operator (Side Boom)	Pipeline Welder	General Labourers	Site Safety Coordinator	Field Quality Control
					Risk (1-20) Green = Low Yellow = Medium Orange = High Red = Extreme				Risk (1-20) Green = Low Yellow = Medium Orange = High Red = Extreme										
Pre Construction site tour	Travel to site	Collision, Rollover, breakdown, Stranded	4	4		Fleet Safety Journey Management(HSEMS-21), Working Traveling alone (SWP-21)	3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Travel with ATV	Collision, Rollover, breakdown, Stranded	4	4		ATV Safety (SWP-01), OEM, helmets, ATV training	3	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Walk around location	Rolled ankle, wildlife attack, stranded	3	4		Proper footwear, traction aids where required, choose your path	1	2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MOB	Loading/unloading trucks	Cuts, crushes, falls, strains, equipment damage	3	4		Loading Unloading Hauling Equipment (SWP-29), Cargo Securement (SWP-04), Material Handling (SWP-22)	2	2			✓	✓	✓	✓	✓	✓			✓
	Attach dozer blade	Crushing, strains, equipment damage	4	4		Installing Blade onto D6 (SJP-16)	3	1			✓		✓						
	Attach boom	Incorrect assembly, crushing, pinches, cuts, contusions	4	4		Removing Boom Stick (SJP-17)	3	1			✓				✓		✓		
	Working around mobile equipment	crushing, fatality, amputations,	4	5		Mechanical Mobile Equipment Operations (SWP-44), Excavating and Trenching (SJP-30)	4	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Signs and Barricades	Pounding posts	Cuts, crushes, strains, contact of buried facilities	3	3		Ground Disturbance (COP-07), Ground Disturbance (SWP-62)	2	1			✓						✓		
	Installing goal posts	Electrocution, strains	4	3		Excavating and Trenching (SJP-30), Overhead Power Lines (SWP-24)	3	1			✓						✓		
	Attaching signs	Cuts, pinches,	3	2		Avoid workers in the line of fire, follow GD procedures as required	1	1			✓						✓		
General Labour	Working in heat	Heat related illness, sunburn, severe weather, insect bites	3	4		Working in Heat (SWP-68), stay hydrated, monitor weather, use sunscreen and insect repellent	1	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Working in cold	Frostbite, hypothermia, severe weather	3	4		Working in Cold (SWP-06)	2	2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Using hand and power tools	Cuts, pinches, eye injuries, excessive noise, flying debris	3	4		Tools, Equipment, Machinery (SWP-18), Wrench Use (SWP-74), Safe Knife Use (SWP-76)	3	1			✓	✓	✓	✓	✓	✓			
	Manual lifting	Strains, MSI	3	4		Ergonomics-Manual Material Handling (SWP-22)	2	1		✓	✓	✓	✓	✓	✓	✓			
	Traffic control	Struck by vehicle, severe weather	4	4		Traffic Control (SWP-09)	4	1			✓						✓		
Working on hills/slopes		Runaway equipment, falling debris, rolling stones, slippery conditions	4	5		Working on Hills and Slopes (SWP-52), chock vehicles, no workers on downhill side of equipment	4	1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear ROW	Chain saw operations	Amputations/lacerations, eye injury, crushing, facility damage	4	4		Chain Saw Operations (SWP-13), Forestry Logging Operations (SWP-65), PPE, avoid the line of fire	4	1									✓		
	Felling with Excavator	Equipment damage (broken window, hoses), above and bellow ground Facility damage	3	3		Forestry Logging Operations (SWP-65), workers to avoid line of fire, spotters	2	2						✓					
	Felling with Dozer	Equipment damage (broken window, hoses), above and bellow ground Facility damage	3	3		Forestry Logging Operations (SWP-65), workers to avoid line of fire, spotters	2	2					✓						
	Stumping	Equipment damage, underground facility damage	3	3		ROW Preparation (SJP-28)	2	2					✓	✓					
	Piling brush	Equipment damage (broken window, hoses), above and bellow ground Facility damage	3	3		Use of equipment, PPE	2	2					✓	✓			✓		
	Burning	Equipment fire, uncontrolled fire, Environmental & Regulator Fines, burns to workers	4	3		ROW Preparation (SJP-28), fire extinguishers on hand, permits in place	2	1					✓	✓			✓		
Prepare ROW	Top Soil/sub grade stripping with Dozer	Environmental impact, Equipment damage, underground facility damage,	2	4		ROW Preparation (SJP-28), GD Procedure	1	1					✓						
	Top Soil/sub grade stripping with Excavator	Environmental impact, Equipment damage, underground facility damage,	2	4		ROW Preparation (SJP-28), maintain three point contact, clean off boots	1	1						✓					
	Mounting and dismounting (Equipment & Vehicles)	broken bones, cuts, bruising,	3	4		Maintain three point contact, clean off boots, avoid parking on slope or ice where possible	2	2		✓	✓	✓	✓	✓	✓	✓	✓		
	Rip rap install	Equipment damage (broken window, hoses), above and bellow ground Facility damage	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual	1	1					✓	✓					
	Matting install with Excavator	Damage to facilities and equipment, injury to by standards	3	3		Mats Matting (SWP-70), spotters in place as per procedure, use of grapple where appropriate	2	2						✓			✓		
Snow Removal	Using Skid Steer to remove snow	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual, assign spotters	2	2			✓	✓					✓		
	Using dozer to remove snow	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual, assign spotters	2	2					✓						
	Using Excavator to remove snow	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual, assign spotters	2	2						✓					
	Using shovel to remove snow	Strains and sprains, injury from fall	3	4		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual, assign spotters	2	2		✓	✓	✓	✓	✓	✓	✓	✓		
	Spreading gravel with Skidsteer	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual	2	2			✓	✓					✓		
	Spreading gravel with loader	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual	2	2						✓					
	Spreading gravel with dozer	Damage to facilities (Above and bellow ground), injuries to other workers,	3	3		Mechanical Mobile Equipment Operations (SWP-44), Manufactures Operations Manual	2	2					✓						
Stringing Cones/Skids	Load trucks with skids and cones	Strains, sprains, cuts,	3	3		Material Handling (SWP-22), Loading Unloading Hauling Equipment (SWP-29),	2	1										✓	
	Sting cones and skids from truck	Strains, sprains, cuts, crushing from truck,	4	3		Stringing Pipe (SJP-13), Material Handling (SWP-22), Driving and Journey Management (SWP-28)	2	1									✓		
	Load sloop with Skids and cones from ROW	Strains, sprains, cuts, crushing from truck,	4	3		Material Handling (SWP-22)	2	1										✓	
	String cones and skids from sloop	Strains, sprains, cuts, crushing from truck,	4	3		Stringing Pipe (SJP-13)	2	1										✓	
	Driving on Right of Way	Equipment and facility damage, being stuck, collisions, hitting bystanders	3	4		Fleet Safety Journey Management(HSEMS-21), Working Traveling alone (SWP-21), Towing (SJP-19)	2	2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pipe Hauling	Athey Wagon	Crushing, rollover, overloading, entanglement	4	3		Stay clear of unit, trained operator, load securement, ensure guards are in place	3	1							✓				
	Moving pipe with side Boom	Crushing, damaging coating, overloading boom,	4	4		Pipe Handling (SWP-48)	3	1							✓				
	Tag line use	crushed, contact with equipment, De-Gloving	4	4		Material Handling (SWP-22), Cranes, Hoists & Lifting Devices (SWP-34)	3	1			✓	✓					✓		
	Using Trailers	Equipment damage, Regulatory violation, injury from fall, Hand injuries	3	4		Cargo Securement (SWP-04), Loading Unloading Hauling Equipment (SWP-29), Fleet Safety Journey Management (HSEMS-21)	2	2			✓	✓					✓		
	Transporting pipe on Truck	Equipment damage, Regulatory violation, loss of load	3	4		Cargo Securement (SWP-04)	2	2			✓	✓				✓	✓		
Equipment Towing	Towing Equipment	Equipment damage, failure of components, overloading, personal injury	4	4		Towing (SJP-19)	2	1					✓	✓	✓	✓			
String Pipe with hooks & Callipers	Spot equipment	Crushing, contact with other equipment/vehicles	4	4		Mechanical Mobile Equipment Operations (SWP-44)	3	1			✓	✓					✓	✓	
	De-Tarp/Unstrap	Crushing, equipment damage, material in eyes	4	4		Stringing Pipe (SJP-13)	2	2			✓						✓		
	Climb onto Pipe truck	Falls, crushing, MSI	3	4		Stringing Pipe (SJP-13)	2	1			✓	✓					✓		
	Mark centers	Falls, crushing	3	3		Stringing Pipe (SJP-13)	1	1			✓						✓		

	Hook in pipe hooks / unhook	Crushing, pinching hands	3	3		Stringing Pipe (SJP-13)	2	1				✓						✓	
	lift off pipe and set on cone and skid	Crushing, equipment damage, struck by swinging loads, workers crushed	4	3		Stringing Pipe (SJP-13), Mechanical Mobile Equipment Operations (SWP-44)	3	1								✓			
	Hook up calipers	Crushing, pinching hands	3	3		Stringing Pipe (SJP-13)	1	1				✓						✓	
String pipe with chutes		Crushing, pinches, fall from trailer, struck by pipe	4	4		Stringing Pipe With Wheels and Chute (SWP-40)	3	1				✓						✓	
String pipe with Deckhand		Crushing, struck by pipe, struck by excavator	4	4		Establish control zone, only workers involved in stringing allowed in work area	3	1				✓				✓		✓	
String pipe with Vaculift		Crushing, falling pipe, loss of suction	4	4		Establish control zone, only workers involved in stringing allowed in work area, inspect seals on Vaculift	3	1				✓				✓		✓	
Pipe Bending	Use of hydraulic pipe bender	Crushing, workers pinched between pipe and machine, swinging loads	4	4		Pipe Bending (SJP-06/6A)	3	1				✓				✓		✓	✓
	Use of pipe bending shoe	Crushing, equipment failure	4	3		Pipe Bending (SJP-06/6A)	3	1				✓				✓		✓	✓
	Pulling pig through bends	Impact injuries, strain	3	3		Pipe Bending (SJP-06/6A)	2	1				✓				✓		✓	
Turn Seams and Pipe end prep	Remove end caps or bags	Cut injuries, back strain	2	3		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	1	1										✓	
	Buffing bevel	Hearing damage, eye injury, hand injury	3	4		Grinder Operations (SWP-26),Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	3	1										✓	✓
	Turning seams	Strain, damage to pipe, crushing	4	3		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	1	1				✓						✓	✓
Main line Welding	Align pipe with side boom	Crushing, pinching, struck by swinging loads	4	4		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	2	2				✓					✓	✓	
	Pre-Heat Pipe	Burns, explosion, strains	3	4		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	2	1										✓	✓
	Hook up clamps and space pipe	Pinching, strain	2	4		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	2	2										✓	✓
	Weld pipe	Burns, welder's flash, electric shock, eye injuries	3	4		Pipeline Welding (SWP-49, Pipeline Welding (SJP-31)	2	2										✓	✓
	Build skid piles	pinches, strains	2	4		Communication, keep hands clear while placing skids, safe lifting	2	1											✓
NDE X-Ray	Subcontract	Exposure to radiation	3	4		Radiation (SWP-15); Contractor Management (HSEMS-18)	1	1				✓	✓	✓	✓	✓	✓	✓	✓
Install Pig catchers/senders	Lift pig sender/catcher with picker	Crushing, struck by swinging load, equipment damage	4	3		Pipe Handling (SWP-48), Piggling and Soap Testing (SJP-11)	2	2								✓		✓	
	Weld closure onto pipeline	Burns, welder's flash, electric shock, eye injuries	3	4		Pipeline Welding (SWP-49), Piggling and Soap Testing (SJP-11)	2	2										✓	
Pigging/Soap test	Load pigs/remove pig	Injury from residual pressure	3	3		Piggling and Soap Testing (SJP-11)	1	2				✓							✓
	Hook up air compressor/ shoot pig	Contact with equipment, equipment failure, hearing damage	3	3		Piggling and Soap Testing (SJP-11), Compressed Air (SWP-11)	3	1				✓							✓
	Soap Test welds	Pressure, pipeline rupture	4	3		Piggling and Soap Testing (SJP-11)	3	1				✓							✓
	Cut off pig closure	Burns, eye injuries, equipment damage, fire explosion	3	4		Grinder Operations (SWP-26), Piggling and Soap Testing (SJP-11)	2	2										✓	
Joint Prep and Coating	Joint Prep using emery cloth and Acetone	Chemical exposure, cuts	2	3		Joint Protection (SJP-27)	1	1											✓
	Joint cleaning sand blasting	Injury, respiratory issues, noise	3	3		Joint Protection (SJP-27), Abrasive Blasting (SJP-22)	3	1				✓							✓
	Yellow Jacket Sleeve Application	Burns, chemical exposure, rupture of tanks	2	3		Joint Protection (SJP-27), Suppliers Instructions, CANUSA Training	2	1				✓							✓
	Epoxy coating	Chemical exposure, environmental impact	3	3		Joint Protection (SJP-27), Suppliers Instructions	2	2				✓							✓
	Rock shield install	Cuts, MSI, Strains	2	3		Suppliers Instructions,	1	1				✓							✓
Ditching/Ripping	Changing Excavator buckets	Strain, equipment damage	2	3		Equipment operations Manual	1	1								✓			✓
	Ripping with dozer	Buried facilities, equipment damage	3	3		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30)	2	2							✓				
	Ripping with excavator	Buried facilities, equipment damage, Injury from flying debris	3	3		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30)	2	2								✓			
	Digging with excavator	Buried facilities, equipment damage	3	3		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30)	2	2								✓			
	Digging bell holes	Buried facilities, equipment damage	3	3		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30)	2	2				✓	✓					✓	
	Exposing hot line	Facility damage, environmental release, explosion, electrocution	4	4		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30), Hydro Vac (SWP-30)	4	1				✓	✓			✓			✓
	Spotting hot lines	Struck by equipment, explosion, falls	4	4		Ground Disturbance (COP-07), Ground Disturbance (SWP-62), Excavating and or Trenching (SWP-46/SJP-30)	2	2				✓	✓			✓			✓
Fencing	Install fencing around open exactions	Falls, strains	2	3		Ground Disturbance (COP-07), Excavating and or Trenching (SWP-46/SJP-30),	2	2											✓
Lower-In	Lower-in Pipeline	Crushing, damage pipe, Overloading equipment, fall from height	4	4		Lowering In Pipeline (SJP-02)	4	1									✓		
	Jeeping Holiday detection	Electrocution, pipe damage	2	3		Lowering In Pipeline (SJP-02) , Jeeping or Holiday Detection (SJP-03)	1	1				✓							✓
Tape/Primer	Tape and Prime	Chemical exposure, cuts,	2	3		Jeeping or Holiday Detection (SJP-03)	1	1				✓							✓
Pipe Weights install	Pipe weights (Swamp Weights)	Damage to pipe, injuries to personnel,	4	3			4	1									✓		✓
Shading/Backfill	Shading	Damage to pipe, fall at same level and to lower,	3	3		Ground Disturbance (COP-07), Backfilling (SWP-02),Excavating and or Trenching (SWP-46/SJP-30)	2	2								✓			✓
	Back fill	Damage to pipe, environmental damage, other equipment	3	3		Ground Disturbance (COP-07), Backfilling (SWP-02),Excavating and or Trenching (SWP-46/SJP-30)	2	2								✓			
Line Tie-Ins	Tie-In Welds	Crushing, equipment damage, burns, engulfment, eye injury, cuts, spring tensions	4	3		Tie-In Welding (SJP-29),	3	1				✓						✓	✓
	Cutting with pipe beveller	Burns, Heat/Radiation, Fumes, Fires, Damage to pipe, Repetitive Strain	3	4			2	2										✓	✓
	Working in bell holes	Excavation collapse, falling debris, uneven ground conditions, slips, falls	4	3		Excavating and Trenching (SWP-46), Ground Disturbance (COP-07)	2	2				✓						✓	✓
Hot Tapping	Hot Tapping	Loss of life, spills, gas release, fire, injuries, facility damage	4	4		Tie in to Existing Pipe System (SJP-25), Hot Tapping (SJP-08)	4	1				✓						✓	✓
	Riser Installs	Crushing, equipment damage, burns, engulfment, eye injury, cuts, falls	4	3			2	2				✓						✓	✓
	Pile Installation with excavator	Crushing, Equipment damage, spills, cuts, buried facilities,	4	3		Pile Installation With Excavator (SJP-05)	4	1				✓				✓		✓	✓
Crossings-Pipeline, Road & Railway Crossings, Water	Bore Support	Equipment damage, pipe damage, hearing damage, Environmental	3	3		Mechanical Mobile Equipment Operations (SWP-44), Cranes Hoists Lifting Devices (SWP-34)	2	2				✓	✓			✓		✓	✓
Replace Grades	Use dozer to spread sub soil/sub grade	Crushing, Equipment damage, spills, injuries to ground personnel	3	3		Ground Disturbance (COP-07), Backfilling (SWP-02)	2	2								✓			
	Corduroy Removal	Crushing, Equipment damage, spills, injuries to ground personnel	3	3		Ground Disturbance (COP-07)	2	2								✓			✓
	Cultivating	Crushing, Equipment damage, spills, injuries to ground personnel, buried facilities	3	3		Ground Disturbance (COP-07)	2	2				✓							✓
	Seeding	Rollover, wildlife attack, ankle injuries,	3	3		ATV (SWP-01)	2	2											✓
	ROW cleanup	Crushing, Equipment damage, spills, injuries to ground personnel	3	3			2	2				✓							✓
Pressure testing	Pressure testing hydrostatic	Spill (Regulatory), Integrity failure, struck by hoses	4	4		Pressure Testing - Hydrostatic (SJP-09), QC/QA Procedures	3	1				✓	✓	✓					✓
	Pressure testing pneumatic	Rupture of piping, struck by hoses	4	4		Pressure Testing - Pneumatic (SJP-10), QC/QA Procedures	3	1				✓	✓	✓					✓
	Final testing- Sizing pig & Methanol Inhibitor runs	Chemical exposure, environmental impact, injury to workers	3	4		Pressure Testing - Hydrostatic (SJP-09), QC/QA Procedures, Running Inhibitors Through Lines (SJP-26)	3	1				✓	✓	✓					✓
DE-MOB	Loading/unloading trucks	Cuts, crushes, falls, strains, equipment damage	4	3		Loading Unloading Hauling Equipment (SWP-29), Cargo Securement (SWP-04), Material Handling (SWP-22)	3	1				✓	✓	✓	✓	✓	✓	✓	✓