

Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6299	Walking hauler to skid site and onto transporter	Hauler or transporter tip over or falling off roads/tracks, hauler falling off transporter while being loaded/unloaded, operator falling from hauler once hauler is on transporter	Fatalities, serious injuries	В	5	E	 Preplanning and establish safe operating procedure specific to each site Establish communication between hauler and transport operator Onsite hazard identification and risk assessment Safety observer (person guiding the hauler onto the transporter) Take place on a flat area large enough to prevent machine roll over should machine slide of transporter. Hauler to be operated by person experienced in the operation of that specific machine or directly supervising its operation. Transporter driver or experienced person to guide hauler driver during loading process. Transporter deck to be set as wide as possible. Where deck width is required to be narrow further risk assessment is required to ensure this can be completed safely. People and property are to be kept clear of the loading zone. Traffic management appropriate to the loading area is required. Where loading/unloading occurs on a sealed and/or public road steps are to be taken to protect road surface. All roads and tracks need to be of a suitable slope and width for the machines weight, Any structures that maybe crossed must be approved for the weight loading. Remote control to raise back ramps Safe egress from hauler to the ground 	Before start All times Before start All times All times	Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor	X	E, A	С	5	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
							when on transporter where practicable. Otherwise, 3-points of contact when ascending/ descending deck	practicable						
6301	Installation of Deadman	Workers falling into deadman hole (approx. 4 m deep), manual handling of Deadman rope or strop, worker v machine, machine tip over, unstable material underfoot	Fractures, crushing injuries, sprains, strains, serious injuries	С	5	Η	 Establish communication methods for worker and machine operation Onsite hazard identification and risk assessment Safe operating procedures (checklist) Trained/competent operators Landing/pad handover checklist No persons to stand near this operation. Deadman strops shall be as a minimum 15 metres long to allow safe manual assistance with their placement. Use the machine to handle the rope 	Before start Before start All times All times All times All times All times	Roading/ Harvesting contractor Roading contractor Roading contractor Roading contractor Roading contractor Roading contractor Roading contractor	X	E, A	E	5	М
6302	Preparation of stumps	Stumps incorrectly notched, too small or not high enough resulting in the tower falling over, unstable/ small stumps, untrained chainsaw operator	Fatalities, crushing injuries, chainsaw cuts	В	5	E	 Trained person to select and notch stumps Correct PPE Onsite hazard identification and risk assessment No persons to stand near this operation Stump inspections Qualified chainsaw operator ACOP Forest Operations 	All times All times Daily All times Daily All times All times	Contractor Workers Contractor Contractor Hauler operator Contractor Contractor	X	A, PPE	D	5	М



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Lis or ha	st the control measures required to eliminate	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6303	Hauler stabilisation pads	Worker entangled with stabilising ram, heavy lifts	Crushing injuries, strains, sprains	С	3	Н	•	Onsite hazard identification and risk assessment	Before start	Contractor	Х	E, A	E	3	L
		(pads)					·	Establish communications between hauler operator and workers	Before start	Contractor					
							•	Avoid putting hands near pads as they are being installed	All times	Contractor					
							•	ACOP Forest Operations	All times	Contractor					
							•	Correct lifting techniques when lifting pads	All times Prior to	Contractor					
							•	Correct installation of pads	moving Prior to	Contractor					
							•	Pad inspections	moving	Contractor					



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6304	Standing up a tower	Tower falling over, pinch points, ropes or objects falling off the pole making contact with a worker, equipment failure	Fatalities, serious injuries	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures – specific to the hauler type. Be familiar with manufacturers operator's manual Establish communications between hauler operator and workers No persons to stand in any pinch point areas Hauler ropes and shackles secured correctly Tower certification current and machine maintained in a good operational condition. Any issues with machine function to be risk assessed to ensure safe machine operation is possible and what if any controls need to be in place Carry out maintenance as per operator's manual Ensure hauler is level before standing the tower up Be aware of falling debris/objects, check nothing has been left on the tower that may fall when its raised. Trained operator and familiar with type of tower Ensure tower dogs are inserted correctly before running any guy ropes 	Prior starting All times Prior starting All times Prior starting Annual Prior starting All times Prior starting All times All times All times	Contractor Contractor Workers Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor	X	E, A	D	5	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6305	Running guy ropes	Person getting struck by moving rope under tension, person getting hit by a machine, machine damaging guy rope, sprags in rope, tower falling over	Fatalities, crushing injuries, serious injuries, sprags in hands	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Be aware of falling debris/objects. Establish communications between hauler operator and workers Chain the guy rope or put in the grapple hook when pulling out – Machine operator must have visual contact with person operating guy winch or 1 person relaying between them, Operator must be able to determine tension in guywire and when to stop applying tension to prevent overloading. Machine must only operate on terrain where full traction and control is maintained. establish communication Trained operator Work gloves must be worn Grommets in all guy rope shackles Ensure your footing is stable before pulling rope. Do not stand in the bight on a rope. Replace badly worn rope. Do not hold onto rope by the eye, this will avoid injury if the rope twists. All other work on landings within the radius of the guywires will stop during tower or guyline shifts. 	Prior starting All times All times All times When pulling guy ropes out All times All times All times All times	Contractor Workers Contractor Contractor Contractor Workers Contractor Contractor Contractor Contractor	X	E, A, PPE	D	5	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6306	Tightening guy ropes	Workers fingers getting caught when fleeting ropes onto the guy rope drums, hand tools making contact with worker, not fleeting guy ropes on correctly, sprags in rope, tower falling over	Crushing fingers, serious injuries, sprags in hands	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Establish communications between hauler operator and workers No persons to stand in any pinch point areas Install Deadman paint markings Inspect Deadman paint markings for any movement Work gloves must be worn Machine to be operated at idle when hand fleeting loose rope onto drum to ensure low speed When guiding tensioned rope onto a drum maintain distance from rope drum to avoid pinch points, watch for kinks and or sprags, grab rope firmly hand over hand style and guide it DO NOT allow rope to slide through gloves, this will prevent gloves catching on any defects. Trained operator No Spiked boots are to be worn on the hauler 	Prior starting All times All times All times Prior starting Daily Handling ropes All times All times All times All times	Contractor Contractor Contractor Contractor Contractor Workers Contractor Contractor Contractor Contractor Workers	X	E, A, PPE	D	4	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6307	Running out pulling ropes, straw lines and setting up backline blocks	Person getting struck by moving rope under tension, sprags in rope, slips, trips, falls, lifting heavy blocks, incorrect selection of stumps, incorrectly notched stumps, stumps too small, untrained chainsaw operator, person falling when putting straw line through sheave, moving logs/debris	Fatalities, crushing injuries, serious injuries, sprags in hands, strains, sprains, chainsaw cuts	В	5	E	 Ensure block strops are the correct size Onsite hazard identification and risk assessment Safe operating procedures Establish radio communications between hauler operator and workers pulling strawline No persons to stand in the bite of any rope or within 15m of moving ropes Work gloves must be worn Trained hauler and chainsaw operators Grommets in all tail hold blocks Correct stump selection and notching Qualified head breaker out operator ACOP Forest Operations Trained US23411 qualified operator Use drone prior to running out line 	Prior starting Daily All times All times	Contractor Contractor Contractor Contractor Workers Workers Contractor Contractor Contractor Workers Contractor Workers Contractor Workers Contractor Workers Contractor	×	E, A, PPE	D	5	Μ
6308	Setting the rigging up	Person getting hit by machines or ropes under tension, lifting heavy equipment, sprags, slips, trips, falls, banging fingers with hammers, incorrect use of cut off saw, not wearing correct PPE, noise, sparks from cut off saw	Fatalities, serious injuries, sprags in hands, strains, sprains, bruises, cuts, noise induced hearing loss, burns, eye injuries, fires	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Establish communications between workers and machine operators No persons to stand in the bite of any rope Work gloves must be worn Trained operators Grommets in rigging ACOP Forest Operations PPE Establish safe zones Use correct lifting technique or machine Correct use of tools 	Prior starting Daily All times All times	Contractor Contractor Contractor Workers Workers Contractor Contractor Contractor Contractor Workers Workers Workers	×	E, A, PPE	D	5	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
1. 6309	Down Tower Activities Rewind rigging back onto hauler	Person being hit by ropes under tension, person getting entangled into the fleeting drum, sprags, heaving lifting, slips, trips, falls, falling of the hauler, banging fingers with hammers, incorrect use of cut off saw, not wearing correct PPE, noise, sparks from cut off saw	Fatalities, serious injuries, sprags in hands, strains, sprains, bruises, cuts, noise induced hearing loss, burns, eye injuries, fires	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Establish radio communications between workers and machines operators No persons to stand in the bite of any rope Work gloves must be worn Trained operators ACOP Forest Operations PPE Establish safe zones Use correct lifting technique or machine Correct use of tools Consider straw to tail before retrieving tail rope Chain the tail rope to the grapple when straw to tail Before retrieving any ropes, all workers are in a safe zone at least 15m from any moving ropes 	Prior starting Daily All times All times	Contractor Contractor Workers Workers Contractor Contractor Workers Contractor Workers Workers Workers Workers	X	E, A, PPE	C	5	Η



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6310	Lowering guy ropes	Person being hit by ropes under tension, sprags, tower failure, manual lifting and pulling on heavy rope	Fatalities, serious injuries, sprags in hands, sprains/strains	В	5	E		Before start Before start Daily All times All times	Workers Contractor Contractor Workers Workers Contractor Workers Contractor Workers Workers Workers Workers Workers Workers	X	E, A, PPE	D	3	Μ
6311	Removal of dogs	Person falling from the tower to release the dogs if they get jammed, jammed fingers, falling objects from height hitting someone on the ground, harness anchor point (step) fails	Fatalities, serious injuries, crushed hands, or fingers	В	5	E	 Fall restraint protection, maintenance/replacement programme Onsite hazard identification and risk assessment Trained operators Establish a drop zone Correct use of tools Maintenance of dogs Tower maintenance certification – include inspection of steps Workers to complete working at height unit standard training Rescue procedure/plan and safety helmets with rated chin straps Send out a memo on working at height mandatory requirements 	All times Before start All times All times All times Annual All times All times Completed	Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor	X	A, PPE	E	3	L



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified	Frequency of Monitoring or Action Date	Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6312	Telescope pole down	Tower hydraulic failure, persons being hit falling objects or ropes	Fatalities, crushing injuries, fractures	С	5	Н	 Onsite hazard identification and risk assessment Safe operating procedures Establish communications between workers and machines operators Trained operators ACOP Forest Operations PPE as per Forest Ops manual Establish safe zones Regular maintenance including checking all valves and hoses on hydraulic cylinders 	Before start All times All times All times All times All times All times Ongoing	Contractor Contractor Contractor Contractor Workers Contractor Contractor	X	A, PPE	D	5	Μ
6313	Rewind guy ropes	Fingers getting crush by rope, person being hit by rope under tension or machine, fingers hit by hand tools, hauler tip over, communications failure	Fatalities, serious injuries, finger or hand crushing injuries	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Establish radio communications between workers and machines operators Trained operators ACOP Forest Operations PPE as per Forest Ops manual Establish safe zones Regular maintenance Correct use of hand tools and hands/fingers must be kept clear of the drum 	Before starting All times All times All times All times All times Ongoing All times	Contractor Contractor Contractor Contractor Workers Contractor Contractor Workers	×	A, PPE	D	3	Μ



Vault ID #	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequences	Risk Rating (Inherent)	Required Control Measures List the control measures required to eliminate or minimise the risk of illness or injury for each hazard identified		Personnel Responsible The person required to action the control measure	Eliminate	Type Minimisation Controls	Likelihood	Consequences	Risk Rating (Residual)
6314	Laying the pole over	Tower hydraulics failure resulting in tower falling onto workers, persons being hit by swinging guy ropes, items falling from height and contacting workers, slips, trips, falls, lifting heavy items above workers head, person falling off machine when putting rope into cradle	Fatalities, serious injuries, strains/sprains	В	5	E	 Onsite hazard identification and risk assessment Safe operating procedures Establish radio communications between workers and machines operators Operators trained and assessed as competent ACOP Forest Operations PPE as per Forest Ops manual Establish safe zones Regular maintenance Ensure ropes are shackled to the pole correctly with the right tension Correct lifting techniques Procedure for fall protection measures 	Before starting All times All times All times All times All times All times All times All times All times All times	Contractor Contractor Contractor Contractor Contractor Workers Contractor Workers Workers Workers Workers	X	A, I, PPE	D	5	Μ
6315	Tower maintenance checks	Worker falling from height off the tower, fingers being struck by tools, items falling from height making contact with workers on the ground	Fatalities, serious injuries, hand injuries, head injuries	В	5	E	 Secure footing while checking over the tower Workers trained and assessed as competent workers Establish a safe zone Risk assessment prior to commencing task Qualified workers in heights training PPE – Harness fall restraints to be worn Guarding 	All times All times All times Before starting All times All times Where required	Workers Contractor Contractor/ Contractor/ Workers Workers Workers Contractor	X	E, A	D	5	М
	Greasing shafts	Person entangled in shaft, grease in eyes and hands	Fatalities, amputations, eye injuries and skin illness	В	5	E	 Establish communication between hauler operator and maintenance person PPE as per Forest Ops manual Competent maintenance person SDS available Risk assessment prior to commencing task 	All times All times All times Before starting	Contractor Workers Contractor Contractor	X	A, PPE	E	5	Μ