

Vault ID#	Task/Area where hazards exists	Hazard – what can cause harm	Potential outcome – what can happen	Likelihood	Consequence	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	Consequence	Risk Rating (Residual)
5213	Gantry cranes – trailer loading	Lifting chain snap resulting in loss of trailer, chains under tension, person being hit by swinging trailer, slips, trips, falls, untrained operator, electric shock from controller, hoist failure	Fatalities, serious or minor injuries	B	5	E	<ul style="list-style-type: none"> Certified chains on trailers Annual LTSC self-audit of the lifting chains Chains on trailer have regular maintenance Weekly inspections of lifting chains Gantry crane certification Scheduled gantry servicing Induction programme – all users Good Housekeeping - bark sweeping outside operational hours. Minimum PPE – hard hat, D/N high visibility clothing and safety footwear Signage Check trailer attached/detached before driving Check controller for possible damage Protection of hand controller hitting frame (Mill site) Physical barrier to prevent vehicle/pedestrian interaction Road marking and blind spot mirror in place for truck alignment 	Annual Annual As required Weekly All times Quarterly All times All times All times All times All times All times All times All times	Contractor Contractor Contractor Pan Pac Pan Pac Pan Pac Pan Pac All persons All persons Contractor Contractor Pan Pac Pan Pac	X	E, A, PPE	C	5	H
5291	Unchaining bay	Person being hit by a chain, log coming off the tops of the load making contact with a person, other site foot/vehicle traffic in vicinity, curb, slips, trips and falls, unchaining overexertion	Fatalities, serious injuries, ankle sprains and strains Twitch injuries	C	5	H	<ul style="list-style-type: none"> Signage – foot traffic, log trucks only, speed Minimum PPE – hard hats, high visibility clothing and safety footwear No overloading of trucks – no more than one third of a log above the bolster Check extension pins are up before unchaining Induction programme – all users Spot checking activities via camera monitoring Good Housekeeping - bark sweeping outside operational hours. Traffic management – mirror, road markings, speed, two lanes, one-way Trialling new load security technology e.g., auto-tensioning Check blind spots prior to exiting bay as per signage. 	All times All times All times Prior entry All times As required As required All times Where possible All times	Pan Pac All persons Contractor Contractor Contractor Pan Pac Pan Pac Pan Pac Contractor All persons	X	A, PPE	D	5	M

5292	Truck wash areas	Open pit resulting in a person falling from height, flying debris, manual handling	Serious injuries, eye injuries, sprains/strains	C	3	H	<ul style="list-style-type: none"> Chain and barriers around the pit to stop persons falling into pit Minimum PPE – D/N high visibility clothing and safety footwear, safety glasses Signage Induction programme – all users Automatic truck wash General Housekeeping Davit arm for filter clean One way traffic management in place (separation barriers to be installed) Lighting 	All times All times All times Prior using All times As required As required All times	Pan Pac All persons Pan Pac Pan Pac Pan Pac All persons Pan Pac Pan Pac	X	I, E EPPE	D	2	L
5293	Fuel pumps – diesel and ad blue	Flammable liquid, fuel spill, fuel in eyes and on skin, noise/dust from ripper pad	Minor injuries, eye injuries, skin absorption with possible cancer causing, health effects	D	2	L	<ul style="list-style-type: none"> Certified fuel tank with bunding Signage Maintenance programme Emergency stop button Emergency procedure Spill kit Safety data sheets Induction programme – all users PPE – gloves worn Eye wash station at Fibre Chip office Environmental monitoring 	Prior using	Pan Pac Pan Pac Contractor Pan Pac Pan Pac Pan Pac Pan Pac Pan Pac Pan Pac/ Contractor Pan Pac Pan Pac	X	A	D	2	L
5303	Heavy traffic (logging trucks) transiting through residential areas	Truck making contact with a person (pedestrian, child, etc) or another vehicle. Person (pedestrian) being hit by debris from truck	Fatalities, serious injuries	C	5	H	<ul style="list-style-type: none"> Cartage route assessments for new routes or upon request. Inform residents and seek feedback on woodlot operations i.e., letter drop. “Wood is good” programme for schools on the route. Restrict hours and drivers speed and monitor this via GPS. Designated re-check of load area on chains, debris, and load security Select alternate route if possible. Trialling new load security technology e.g., auto-tensioning (reduce logs and debris) In-vehicle camera and GPS monitoring 		Cartage driver	X	A	E	3	M
5304	Transiting with crane not stowed correctly on truck	Crane contacts and damages overhead power lines or telecommunication lines	Fatalities, electric shock, electrocution, burns, fall from heights	C	5	H	<ul style="list-style-type: none"> Standard operating procedure – operating cranes Working alone policies GPS in vehicles Check that the crane is stowed before transiting Audible alarm notification if crane is left up. 	At all times At all times	Driver/Contractor Driver Distribution Coordinator	X	A	E	5	M

Risk Register – CARTAGE OPERATIONS

6327	Empty log truck <u>trailer</u> loaded/unloaded (off site)	Lifting chains breaks and person hit by machine/trailer; pinch points; slip/trip/falls; persons not staying in safe zones; debris, dust, getting in and out of truck; poor communication	Fatalities, Serious injuries	C	4	H E?	<ul style="list-style-type: none"> Certified chains and inspection Training on SOP and guidelines on trailer lifting (Log Transport Safety Council) PPE (head torches for lighting) Communications – radios and hand signal Well maintained loadout zone (landing) Stay in safety zone away from suspended trailer as per ACOP Keep trailer lift close to ground, use POGO sticks Ensure trailer is balanced, stable lift position Know lifting limits of machine SBO done in S123 Truck Loading 	All times	Contractor Contractor Contractor Contractor PP Coordinators	X	E,I,A, PPE	D	4	M
6388	Logs falling/slipping from moving truck	Transiting truck with logs slipping out of load due to poor loading/chaining, or slippery sap stain.	Fatalities Serious injuries, Property damage	B	5	E	<ul style="list-style-type: none"> Log loading and security as per LTSC and ACOP Load to the permit Approved, experienced, competent operators or operators (drivers) under training and appropriate supervision Monitor, re-check and adjust load security Belly chain restraint compulsory on all grades and use of stanchion pins Keep to speed limit and drive to the conditions PPE – hard hat, high vis clothing D/N, gloves, safety footwear Trialling self-tensioning load systems and alternative Dynex ropes Aged logs stay on landing to reduce slipperiness 	All times All times All times All times All times All times All times	Contractor Driver Driver Contractor Driver Driver Driver Driver	X	E, A, PPE	D	5	M