

Person interaction with vehicle or machinery

Working near or operating machinery risks exposure to hazards and danger zones.



Cause #	Cause description
1	Crush or entangled in energised plant.
2	Uncontrolled operation of plant or machinery.
3	Crush or entangled by a release of stored energy.
4	Entangled by loose clothing or hair.
5	Inspection/examination of live/running plant or machinery.
6	Being struck by vehicle, plant or machinery causing blunt trauma, cut, stab or puncture.
7	Lack of specialist knowledge.
8	Tipping or rollout of vehicle, plant or machinery.
9	Asphyxiation/suffocation while working indoors with plant and machinery.
10	Explosion of plant and machinery.
11	Entrapment between stationary and moving object.

Potential to interact with other fatal risks	
Critical risk	Potential interaction
Remote and isolated work.	Towing of trailers.
Boating.	Towing of boats, trailers.

Preventive controls (reducing likelihood)	Critical/non critical	Cause #
(CC01) Isolation and lock out: All energy sources must be isolated and locked out when SCU employees are inspecting, repairing, maintaining or cleaning plant or equipment.	Critical	1, 2, 3, 5, 6, 8, 11
(CC02) Exclusion zones: SCU employees to establish and maintain control of exclusion zones around operating machinery or equipment.	Critical	1, 2, 3, 4, 6, 8, 10
(CC03) Preventive Maintenance, Inspection and Repair of Plant Critical Systems: SCU to establish regular maintenance and inspection of plant critical systems including guarding, operational controls, emergency stops and warning devices. SCU to ensure this is carried out by a qualified individual.	Critical	1, 2, 3, 6, 8, 10, 11
(CC04) Spotter safety: Ensure spotters are in a safe visible location to prevent contact with plant at all times.	Critical	1, 2, 3, 6, 7, 9, 10, 11
Stable parking, dedicated walkways, traffic management (barricading, walkways).	Non-Critical	1, 2, 3, 6, 8, 11
Limit speed of vehicles, mobile plant or machinery to minimise the likelihood of impacting person and/or provide enough time for worker to take evasive action in the event of a loss of control of vehicle or machinery.	Non-Critical	6
Whole of plant and machinery risk management lifecycle is implemented and effective.	Non-Critical	1 – 12
High-risk work licenses of SCU operators are held, maintained and checked.	Non-Critical	7
Controlled traffic management plans for powered mobile plant.	Non-Critical	1, 2, 3, 4, 6, 9, 11
Quick reference guide for exposure to mobile or fixed plant risks.	Non-Critical	7
Competency based inductions for mobile plant.	Non-Critical	1 – 11
Safe Work Procedures are put in place by the Work Unit that align with manufacturers instructions.	Non-Critical	1 – 11
Mitigating controls (reducing consequence)	Critical/non critical	Cause #
(CC05) First aid officers apply first aid as per first aid training.	Critical	1 – 8