

MCK GROUP – HS-RA-001 TRUCK AND DOG RISK ASSESSMENT

Worker-Accessible App Extract – Master Document: HS-RA-001 Risk Assessment Register V1.1

Related Documents: HS-PR-001 Risk Assessment Procedure; HS-PR-002 Daily Plant Inspection Procedure; HS-PR-003 Personal Risk Assessment (Take 5) Procedure; HS-PR-005 Incident Investigation & Reporting Procedure; OP-PR-003 Workshop Procedure; OP-PR-017 Unsafe Plant Isolation Procedure; Driving Heavy Vehicles Procedure; Fatigue Management Procedure; Manual Handling Procedure; Spill Management & Containment Procedure; Operating Mobile Plant SWMS; Loading & Unloading Plant & Equipment SWMS; Relevant heavy vehicle and transport SWMS; Plant Maintenance Register; Training & Competency Register; Relevant EMP and SSMP; MCK Group IMS Registers Master.



Risk ID	Risk Event / Activity	Hazard	Causes	Potential Impacts	Current Controls	Initial Risk	Residual Risk
TD-001	Pre-start inspection	Undetected mechanical or safety defect	Inspection not completed, defect overlooked or not reported	Road incident, trailer failure, load loss, serious injury	Daily Plant Inspection; defect reporting; maintenance system; driver visual checks before use	15	4
TD-002	Driver competency and licensing	Unlicensed or inexperienced operation	Incorrect licence class, inadequate combination experience or unfamiliarity	Collision, rollover, serious injury or fatality	Appropriate heavy vehicle licence; competency verification; induction; supervision; training records	15	4
TD-003	Coupling dog trailer	Crush or pinch injury	Person between units, unexpected movement, poor communication	Crushing, serious injury or fatality	Park brakes applied; level ground where practicable; competent driver; clear communication; exclusion from crush zone	15	4
TD-004	Drawbar, coupling and safety connections	Trailer separation	Incorrect coupling, worn components, missing safety devices	Road crash, fatality, major vehicle damage	Pre-start inspection; visual confirmation; coupling security checks; scheduled maintenance; defect reporting	15	4
TD-005	Air brake connections	Loss of trailer braking	Incorrect connection, damaged hoses, leaks or disconnection	Reduced braking, jackknife, collision, serious injury	Airline inspection; correct connection; leak checks; maintenance system; daily inspection	15	4
TD-006	Electrical connections and lighting	Loss of lights or indicators	Damaged cable, poor plug connection, electrical fault	Reduced visibility, road collision, infringement	Pre-start light check; secure connections; maintenance and defect reporting	12	4
TD-007	Brake system	Brake failure or poor braking performance	Wear, air loss, poor adjustment, maintenance failure	Collision, jackknife, serious injury or fatality	Scheduled maintenance; daily inspections; fault reporting; roadworthiness inspections where applicable	15	4
TD-008	Tyres and wheels	Tyre blowout or wheel loss	Low pressure, damaged tyre, worn tread, loose wheel components	Loss of control, collision, road hazard	Daily visual inspection; tyre maintenance; wheel security checks; defect reporting	15	4
TD-009	Road travel	Collision or loss of control	Speed, traffic, distraction, poor road or weather conditions	Fatality, serious injury, vehicle damage, public harm	Licensed driver; seatbelt; speed management; route planning; safe following distance; road-condition monitoring	15	4
TD-010	Fatigue during transport operations	Reduced driver alertness	Long travel, early starts, extended workday, insufficient rest	Collision, poor judgement, serious injury	Fatigue Management Procedure; scheduling; breaks; fit-for-work expectations; supervisor monitoring	15	4
TD-011	Reversing and manoeuvring	Collision with people, plant or structures	Blind spots, articulation, restricted space	Crushing, collision, property damage	Mirrors/cameras; reversing alarms; spotter where required; low speed; exclusion zone	15	4
TD-012	Articulation and trailer cut-in	Trailer striking objects or road users	Tight turns, long combination, poor clearance	Collision, property damage, public injury	Route planning; low-speed turns; adequate clearance; driver awareness; spotter where required	15	4
TD-013	Jackknifing	Loss of combination control	Sudden braking, slippery road, excessive speed, trailer instability	Rollover, collision, fatality	Speed management; smooth braking; maintained brakes/tyres; increased following distance; road-condition assessment	15	4
TD-014	Loading truck and dog	Falling material / overloading	Poor positioning, excessive material, poor communication	Cab damage, rollover risk, component overload	Designated loading position; communication with loading plant; load limits; even distribution	15	4
TD-015	Uneven load distribution	Reduced combination stability	Material loaded unevenly between truck and trailer or shifted during travel	Rollover, tyre/suspension overload, loss of control	Even loading; controlled travel; avoid abrupt turns; inspect loads before departure	15	4
TD-016	Overloading / mass compliance	Exceeding legal or vehicle limits	Incorrect load estimate, excessive material, poor axle distribution	Brake/tyre overload, poor handling, regulatory breach	Know GVM/GCM and axle limits; loading controls; mass compliance checks; operator verification	15	4
TD-017	Unsecured loose material	Material falling from vehicle	Overfilled bodies, no cover where required, material above sides	Road hazard, public injury, property damage	Loads kept within bodies; covers/tarps where required; pre-departure visual checks	12	4
TD-018	Tipping truck body	Truck rollover while tipping	Uneven or soft ground, side slope, load shift	Fatality, serious injury, major vehicle damage	Level stable tipping area; ground assessment; exclusion zone; competent driver; stationary tipping	20	4
TD-019	Tipping dog trailer	Trailer rollover / combination instability	Uneven ground, articulation, soft surface, uneven load	Fatality, serious injury, vehicle damage	Straight alignment where practicable; level stable ground; exclusion zone; controlled tipping sequence	20	4
TD-020	Tipping near people or plant	Material striking people or equipment	People or plant within discharge zone	Serious injury, fatality, property damage	Exclusion zone; communication; designated tipping area; no persons behind discharge zone	20	4
TD-021	Tipping near embankment or edge	Ground collapse / rollover	Tipping too close to edge, weak shoulder or hidden void	Fatality, serious injury, vehicle loss	Safe setback; ground assessment; designated tipping points; supervisor oversight	15	4
TD-022	Raised tipper bodies	Contact with overhead powerlines or structures	Body raised beneath services, trees or structures	Electrocution, fatality, infrastructure damage	Check overhead clearance; identify powerlines; designated tipping areas; maintain safe approach distances	15	4
TD-023	Material sticking in body	Sudden release / instability	Wet clay, sticky material, uneven load	Rollover, unexpected movement, equipment damage	Level tipping area; controlled tipping; do not jerk or drive with body raised to free load	15	4
TD-024	Driving with body raised	Collision, rollover or overhead strike	Operator error, incomplete lowering after tipping	Fatality, serious injury, infrastructure damage	Warning systems where fitted; visual confirmation bodies fully lowered; controlled departure	15	4

TD-025	Hydraulic tipping systems	High-pressure hydraulic failure	Damaged hoses, fittings or poor maintenance	Fluid injection injury, uncontrolled body movement, spill	Daily inspection; preventative maintenance; isolation/depressurisation before repair; body support where required	10	4
TD-026	Working beneath raised body	Body collapse	Hydraulic failure or inadequate support	Crushing, fatality or serious injury	Approved body prop/support; isolation; competent maintenance personnel; no access beneath unsupported body	15	2
TD-027	Parking loaded combination	Uncontrolled movement	Park brakes not applied, unstable ground, inadequate chocking	Rollaway, collision, crushing	Suitable parking area; park brakes; chocks where required; shutdown checks	10	4
TD-028	Roadside breakdown or defect	Exposure to live traffic	Breakdown on road shoulder, poor visibility	Worker struck by vehicle, secondary collision	Move to safe location where possible; hazard lights; warning devices; stay clear of traffic; notify management	15	4
TD-029	Refuelling	Fuel spill or fire	Overfilling, hose failure, ignition source	Environmental contamination, burns, fire	Spill kits; controlled refuelling; no ignition sources; trained personnel	12	4
TD-030	Manual handling of tarps and equipment	Musculoskeletal strain / pinch injury	Heavy or awkward components, repetitive handling	Sprains, strains, hand injury	Manual Handling Procedure; correct technique; mechanical assistance where available; gloves	9	4
TD-031	Maintenance and repairs	Unexpected movement or stored energy	Inadequate isolation, raised body, air or hydraulic pressure	Crushing, serious injury, fluid injection	Unsafe Plant Isolation Procedure; competent maintenance personnel; secure combination; depressurise systems; body supports	15	4
TD-032	Remote or isolated transport/work sites	Delayed emergency response	Communication blackspots, remote forestry or park work	Serious injury escalation, delayed assistance	Working Alone Procedure; check-ins; radios/phones; emergency contacts; location details; first aid resources	10	4
TD-033	Registration and roadworthiness compliance	Use of non-compliant truck or trailer	Expired registration, unresolved defects, missed inspections	Regulatory action, road incident, loss of accreditation	Vehicle Register; maintenance records; defect management; compliance reviews; roadworthiness inspections	10	2
TD-034	Psychosocial hazards	Psychosocial hazards associated with the task	Delivery schedules, fatigue, remote work and poor communication.	Stress, reduced concentration, psychological injury and increased incident risk.	Worker consultation; work planning; Fatigue Management Procedure; regular breaks; effective communication.	12	6
TD-035	Noise exposure	Excessive occupational noise	Engine, tipping operations and loading activities.	Hearing loss, reduced communication, reduced awareness and increased incident risk.	Maintain vehicle; limit exposure; hearing protection; effective communication.	12	4
Controlled Document Notice: This document is a worker-accessible extract from the MCK Group HS-RA-001 Risk Assessment Register. The controlled master register contains the complete risk assessment, action tracking and review information. Refer to the current controlled version for full details.							