

MCK GROUP – HS-RA-001 TIP TRUCK 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; 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
TT-001	Pre-start inspection	Undetected mechanical or safety defect	Inspection not completed, defect overlooked or not reported	Road incident, tipper failure, load loss, serious injury	Daily Plant Inspection; defect reporting; maintenance system; driver visual checks before use	15	4
TT-002	Driver competency	Unlicensed or inexperienced operation	Incorrect licence class, inadequate experience or unfamiliarity with vehicle	Collision, rollover, serious injury or fatality	Appropriate driver licence; competency verification; induction; supervision; training records	15	4
TT-003	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; daily inspection	15	4
TT-004	Fatigue during driving	Reduced alertness and reaction time	Long shifts, early starts, travel, insufficient rest	Collision, poor judgement, serious injury	Fatigue Management Procedure; scheduling; breaks; fit-for-work expectations; supervisor monitoring	15	4
TT-005	Reversing and manoeuvring	Collision with people, plant or structures	Blind spots, restricted work areas, poor communication	Crushing, collision, property damage	Mirrors/cameras; reversing alarm; exclusion zone; spotter where required; low speed	15	4
TT-006	Operating near other mobile plant	Plant-to-vehicle collision	Multiple machines, blind spots, poor separation	Serious injury, fatality, plant damage	Work sequencing; exclusion zones; radio communication; designated travel paths	15	4
TT-007	Operating on slopes or unstable ground	Rollover / loss of control	Excessive slope, soft shoulders, saturated or uneven ground	Fatality, serious injury, vehicle damage	Ground assessment; controlled speed; approved travel paths; avoid unsafe slopes and edges	15	4
TT-008	Working near embankments or drop-offs	Edge collapse / rollover	Soft shoulder, hidden voids, excessive proximity to edge	Fatality, serious injury, vehicle loss	Safe setback; ground assessment; designated tipping/travel areas; supervisor oversight	15	4
TT-009	Loading tip truck	Falling material / struck-by hazard	Poor truck position, loading bucket over cab, poor communication	Cab damage, serious injury, vehicle damage	Designated loading position; communication with loading operator; driver remains in safe position; exclusion zone	15	4
TT-010	Overloading vehicle	Exceeding vehicle limits	Excessive material, poor load estimation	Brake/tyre overload, poor handling, regulatory breach	Know vehicle GVM/load limits; operator checks; loading controls; supervisor oversight	15	4
TT-011	Uneven load distribution	Reduced vehicle stability	Material loaded to one side or shifted during travel	Rollover, tyre/suspension overload, loss of control	Even loading; controlled travel; avoid abrupt turns; inspect load before departure	15	4
TT-012	Unsecured loose material	Material falling from vehicle	Overfilled body, no cover where required, material above sides	Road hazard, public injury, property damage	Load kept within body; cover/tarp where required; pre-departure visual check	12	4
TT-013	Tipping / unloading material	Truck rollover while body raised	Uneven or soft ground, side slope, load shift	Fatality, serious injury, major vehicle damage	Level stable tipping area; ground assessment; exclusion zone; competent driver; truck stationary while tipping	20	4
TT-014	Tipping near people or plant	Material striking people or equipment	People or plant within discharge zone	Serious injury, fatality, property damage	Exclusion zone; clear communication; designated tipping area; no persons behind body during discharge	20	4
TT-015	Tipping near embankment or edge	Ground collapse / rollover	Tipping too close to edge, weak shoulder or void	Fatality, serious injury, vehicle loss	Safe setback; ground assessment; designated tipping points; supervisor oversight	15	4
TT-016	Raised tipper body	Contact with overhead powerlines or structures	Body raised beneath powerlines, trees or structures	Electrocution, fatality, infrastructure damage	Check overhead clearance; identify powerlines; designated tipping areas; maintain safe approach distances	15	4
TT-017	Material sticking in body	Sudden release / instability	Wet clay, sticky material, uneven load	Rollover, unexpected movement, equipment damage	Level tipping area; controlled body operation; do not drive or jerk vehicle with body raised to free load	15	4
TT-018	Driving with body raised	Collision, rollover or overhead strike	Operator error, incomplete lowering after tipping	Fatality, serious injury, infrastructure damage	Warning system where fitted; visual confirmation body fully lowered; controlled departure	15	4
TT-019	Tailgate operation	Crush or struck-by injury	Unexpected release, people behind truck, damaged latch/hinge	Serious injury, property damage	Inspect latch/hinges; exclusion zone; controlled release; keep people clear	15	4
TT-020	Hydraulic tipping system	High-pressure hydraulic failure	Damaged hose, fitting failure, poor maintenance	Fluid injection injury, uncontrolled body movement, spill	Daily inspection; preventative maintenance; isolation/depressurisation before repair; body support where required	10	4
TT-021	Working beneath raised tipper 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
TT-022	Brake system	Brake failure or poor braking performance	Wear, poor adjustment, maintenance failure	Collision, rollover, serious injury or fatality	Daily inspection; scheduled maintenance; defect reporting; unsafe plant isolation	15	4
TT-023	Tyres and wheels	Tyre blowout or wheel loss	Low pressure, damage, worn tread, loose wheel components	Loss of control, collision, road hazard	Daily inspection; tyre maintenance; wheel security checks; defect reporting	15	4
TT-024	Parking loaded tip truck	Uncontrolled movement	Park brake not applied, unstable ground, inadequate chocking	Rollaway, collision, crushing	Suitable parking area; park brake; chocks where required; shutdown checks	10	4

TT-025	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
TT-026	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
TT-027	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
TT-028	Maintenance and repairs	Unexpected movement or stored energy	Inadequate isolation, raised body, hydraulic pressure	Crushing, serious injury, fluid injection	Unsafe Plant Isolation Procedure; competent maintenance personnel; secure vehicle; body support; depressurise systems	15	4
TT-029	Remote or isolated 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
TT-030	Registration and roadworthiness compliance	Use of non-compliant vehicle	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
TT-031	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
TT-032	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.							