

MCK GROUP – HS-RA-001 DOLLY 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; Loading & Unloading Plant & Equipment SWMS; Relevant heavy vehicle and transport SWMS; Plant Maintenance Register; Training & Competency Register; MCK Group IMS Registers Master.



Risk ID	Risk Event / Activity	Hazard	Causes	Potential Impacts	Current Controls	Initial Risk	Residual Risk
DL-001	Pre-start inspection	Undetected mechanical or safety defect	Inspection not completed, defect overlooked or not reported	Road incident, trailer separation, brake failure, serious injury	Daily Plant Inspection; defect reporting; maintenance system; operator visual checks before use	15	4
DL-002	Coupling dolly to towing vehicle	Crush or pinch injury	Person standing between vehicles, unexpected vehicle movement, poor communication	Crushing, serious injury or fatality	Level ground where practicable; park brakes applied; clear communication; exclusion from crush zone; competent driver	15	4
DL-003	Uncoupling dolly	Uncontrolled movement or rollaway	Park brake not applied, unsuitable ground, inadequate chocking	Crushing, collision, property damage	Park brake; level ground where practicable; wheel chocks where required; controlled uncoupling sequence	15	4
DL-004	Drawbar / coupling connection	Coupling failure or separation	Worn coupling, incorrect engagement, damaged pin or eye	Trailer separation, road crash, fatality	Pre-start inspection; visual confirmation of coupling engagement; maintenance inspections; defect reporting	15	4
DL-005	Safety chains and secondary connections	Failure of secondary restraint	Missing, damaged or incorrectly connected safety chains	Trailer separation, road crash, public injury	Pre-departure checks; rated chains and attachment points; correct connection; defect reporting	15	4
DL-006	Air brake connections	Loss of braking due to airline fault	Incorrect connection, hose damage, leaks or disconnection	Reduced braking, collision, serious injury	Airline inspection; correct connection; leak checks; maintenance system; daily inspection	15	4
DL-007	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 electrical connections; maintenance and defect reporting	12	4
DL-008	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; annual roadworthiness inspections where applicable	15	4
DL-009	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
DL-010	Suspension and structural components	Structural or suspension failure	Cracks, wear, fatigue, damaged components	Loss of control, trailer instability, breakdown	Routine inspection; maintenance scheduling; annual inspections; defect reporting	10	4
DL-011	Road travel with dolly	Jackknife or loss of control	Excessive speed, abrupt manoeuvre, poor road conditions	Collision, rollover, serious injury or fatality	Licensed competent driver; speed management; route awareness; safe following distances; weather monitoring	15	4
DL-012	Reversing and manoeuvring	Collision with people, vehicles or structures	Blind spots, articulation, restricted space	Crushing, collision, property damage	Competent driver; reversing alarms on towing vehicle; mirrors/cameras; spotter where required; low speed	15	4
DL-013	Articulation during turning	Dolly tracking into people or objects	Tight turns, blind spots, misjudged sweep path	Crushing, collision, equipment damage	Route planning; low-speed turns; adequate clearance; spotter where required	15	4
DL-014	Parking combination	Uncontrolled movement	Poor ground, inadequate park brake, failure to secure combination	Rollaway, collision, crushing	Suitable parking location; park brakes; chocks where required; shutdown checks	10	4
DL-015	Roadside breakdown or defect	Exposure to traffic	Breakdown on road shoulder, poor visibility	Worker struck by vehicle, secondary collision	Move to safe location where possible; hazard lights; warning devices; remain clear of traffic; notify management	15	4
DL-016	Maintenance and repair	Unexpected movement or stored energy	Inadequate isolation, unsupported components	Crushing, serious injury	Unsafe Plant Isolation Procedure; competent maintenance personnel; secure vehicle; depressurise systems where required	15	4
DL-017	Manual handling during coupling/inspection	Musculoskeletal strain	Handling chains, hoses, drawbar components, awkward posture	Sprains, strains, hand injury	Manual Handling Procedure; good body positioning; mechanical assistance where practicable; gloves	9	4
DL-018	Working around moving combination	Struck-by or crush injury	People entering articulation or coupling zone	Serious injury or fatality	Exclusion from crush zones; communication; vehicle stationary and secured before inspection or connection	15	4
DL-019	Mud, debris and contamination on dolly	Road debris or reduced component visibility	Forestry/civil site conditions, inadequate cleaning	Road hazard, obscured defects, component wear	Routine cleaning; inspections; remove excessive mud/debris before road travel	10	4
DL-020	Registration and roadworthiness compliance	Use of non-compliant dolly	Expired registration, unresolved defect, missed inspection	Regulatory action, road incident, loss of accreditation	Vehicle Register; maintenance records; defect management; compliance reviews; roadworthiness inspections	10	4
DL-021	Changes to vehicle combination	Incorrect or incompatible configuration	Dolly connected to unsuitable trailer/towing unit, changed combination not checked	Poor handling, brake imbalance, coupling failure	Use approved compatible combinations; driver checks; manufacturer limits; registration/GVM/GCM considerations	10	4
DL-022	Fatigue during heavy vehicle operations	Reduced driver alertness	Long shifts, early starts, travel, insufficient rest	Collision, poor judgement, serious injury	Fatigue Management Procedure; scheduling; breaks; fit-for-work requirements; supervisor monitoring	15	4
DL-023	Loading and unloading plant	Uncontrolled plant movement	Incorrect loading, unstable ground, poor communication or inadequate load restraint	Crushing, collision, equipment damage, serious injury or fatality	Vehicle Register; maintenance records; defect management; compliance reviews; roadworthiness inspections	15	4

Controlled Document Notice: This document is a worker-accessible extract from the MCK Group HS-RA-001 Risk Assessment Register. Refer to the controlled master for complete details.