MCK GROUP – HS-RA-001 SIDE BY SIDE BUGGY 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; Fatigue Management Procedure; Working Alone Procedure; Spill Management & Containment Procedure; Operating Mobile Plant SWMS; Relevant task-specific 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
SB-001	Pre-start inspection	Undetected mechanical or safety defect	Inspection not completed, defect overlooked or not reported	Vehicle failure, collision, rollover, injury	Daily Plant Inspection; defect reporting; maintenance system; operator checks before use	15	4
SB-002	Operator competency	Untrained or unauthorised operation	Inadequate competency verification or unfamiliarity with vehicle	Collision, rollover, serious injury	Competency verification; site induction; supervision; manufacturer instructions; training records	15	4
SB-003	Seatbelt use	Occupant ejection during rollover or collision	Seatbelt not worn or damaged	Serious injury or fatality	Seatbelts fitted and worn by all occupants; pre-start inspection; supervisor enforcement	15	2
SB-004	Passenger transport	Occupant injury	Excess passengers, passengers outside designated seats, unsafe behaviour	Falls, ejection, serious injury	Only manufacturer-approved seats used; seatbelts worn; no riding in cargo area; driver controls passenger behaviour	15	2
SB-005	Starting and moving buggy	Collision with people or plant	Blind spots, poor communication, congested work area	Crushing, collision, serious injury	Exclusion zones; competent operator; horn where fitted; pre-start communication; low speed around work areas	15	4
SB-006	Reversing	Striking person, vehicle or object	Restricted rear visibility, poor awareness, congestion	Serious injury, collision, property damage	Mirrors/camera where fitted; low-speed reversing; look behind before reversing; spotter where required	15	4
SB-007	Operating on slopes	Buggy rollover	Excessive slope, side travel, sudden turns, unstable ground	Serious injury or fatality	ROPS where fitted; seatbelts; competent operator; slope assessment; controlled speed; avoid side-slope travel where practicable	15	4
SB-008	Operating near embankments or drop-offs	Edge collapse / rollover	Soft shoulder, hidden voids, excessive proximity to edge	Serious injury, fatality, vehicle loss	Safe setback; ground assessment; designated travel paths; controlled speed	15	4
SB-009	Operating on rough or unstable terrain	Loss of control / rollover	Ruts, rocks, washouts, holes, loose ground	Serious injury, vehicle damage	Route inspection; controlled speed; avoid unsafe terrain; appropriate tyre condition; competent operator	15	4
SB-010	Travelling on wet or slippery surfaces	Skid or loss of control	Mud, wet grass, loose gravel, steep descent	Collision, rollover, injury	Reduced speed; suitable route selection; weather monitoring; avoid unsafe slopes	12	4
SB-011	Driving near other mobile plant	Plant-to-vehicle collision	Blind spots, haul routes, poor communication	Serious injury or fatality	Maintain separation; radio communication where required; high-visibility vehicle/flags where applicable; designated travel routes	15	4
SB-012	Crossing haul roads or active work areas	Collision with heavy vehicle	Poor visibility, failure to give way, dust	Fatality, serious injury	Designated crossing points where practicable; stop and check; radio communication; give-way rules; high visibility	15	4
SB-013	Public road use	Road traffic collision	Vehicle not road-registered/compliant, unsuitable speed or road conditions	Serious injury, regulatory breach	Use on public roads only where legally permitted and vehicle is compliant; licensed driver where required	10	2
SB-014	Remote or isolated travel	Delayed emergency response	Communication blackspots, remote forestry or park locations	Injury escalation, delayed rescue	Working Alone Procedure; check-ins; radios/phones; emergency contacts; route/location information; first aid	10	4
SB-015	Carrying tools or equipment	Unsecured load	Loose tools, overloading cargo area, poor restraint	Struck-by injury, loss of control, property damage	Secure cargo; comply with load limits; distribute weight evenly; keep cabin clear	12	4
SB-016	Overloading buggy	Reduced stability / component overload	Excess passengers or cargo beyond manufacturer limits	Rollover, brake/tyre failure, vehicle damage	Manufacturer load limits; approved seating only; load distribution checks	15	4
SB-017	Cargo shifting during travel	Vehicle instability / falling objects	Unsecured equipment or uneven load	Loss of control, occupant injury	Secure cargo; use restraints; distribute load evenly; keep heavy items low	12	4
SB-018	Operating near waterways or creek crossings	Vehicle rollover / water hazard	Unstable banks, deep water, soft approaches	Drowning, injury, vehicle loss, environmental harm	Use approved crossings; assess depth/flow and bank stability; weather monitoring; avoid flooded crossings	15	2
SB-019	Vegetation and forestry travel	Contact with branches / hidden obstacles	Overgrown tracks, fallen timber, stumps, poor visibility	Occupant injury, vehicle damage, rollover	Route inspection; controlled speed; protective structure where fitted; avoid unmaintained routes	12	4
SB-020	Dusty conditions	Reduced visibility / dust exposure	Dry roads, following other plant, wind	Collision, respiratory irritation	Maintain spacing; reduce speed; use dust suppression where available; enclosed PPE as required	12	4
SB-021	Night or low-light operation	Reduced visibility	Poor lighting, dust, fog, early/late travel	Collision, route departure, injury	Functional headlights; reflective/high-vis markings; reduced speed; avoid unsafe routes	12	4
SB-022	Tyres and wheels	Tyre failure / loss of control	Low pressure, puncture, worn tread, loose wheel components	Collision, rollover, vehicle damage	Daily inspection; tyre maintenance; correct pressure; defect reporting	12	4

SB-023	Steering and brake systems	Loss of vehicle control	Mechanical wear, defect, poor maintenance	Collision, rollover, serious injury	Daily pre-start checks; scheduled maintenance; fault reporting; unsafe plant isolation	**15**	**4**
SB-024	Refuelling	Fuel spill or fire	Overfilling, damaged container/hose, ignition source	Environmental contamination, burns, fire	Controlled refuelling; no ignition sources; spill kit access; trained personnel	**12**	**4**
SB-025	Engine/exhaust and dry vegetation	Vehicle fire / grass fire	Hot exhaust, dry grass accumulation, fuel/oil leak	Fire, injury, environmental/property damage	Daily inspection; remove vegetation build-up; inspect leaks; fire extinguisher where fitted	**15**	**4**
SB-026	Maintenance and repairs	Unexpected movement / stored energy	Inadequate isolation, unsupported vehicle, hot components	Crushing, burns, serious injury	Unsafe Plant Isolation Procedure; competent maintenance personnel; secure vehicle; cool-down before work	**15**	**4**
SB-027	Loading buggy onto trailer	Vehicle rollover / fall from ramps	Poor alignment, slippery ramps, unsuitable loading area	Serious injury, vehicle damage	Competent operator; rated ramps; level loading area; exclusion zone; spotter where required	**15**	**4**
SB-028	Transport restraint	Buggy movement during transport	Insufficient or damaged restraints	Road crash, vehicle damage, public injury	Rated restraints; approved tie-down points; pre-departure checks	**15**	**4**
SB-029	Fatigue during prolonged driving	Reduced concentration and reaction time	Long workday, heat, repetitive travel, insufficient breaks	Collision, rollover, poor judgement	Fatigue Management Procedure; breaks; fit-for-work expectations; supervisor monitoring	**15**	**4**
SB-030	Psychosocial hazards	Psychosocial hazards associated with the task	Remote work, fatigue, poor communication and time pressures.	Stress, reduced concentration, psychological injury and increased incident risk.	Worker consultation; work planning; Fatigue Management Procedure; regular breaks; effective communication.	**12**	**6**
SB-031	Manual handling	Hazardous manual tasks	Vehicle not road-registered/compliant, unsuitable speed or road conditions	Musculoskeletal injuries, strains and sprains	Mechanical aids where practicable; minimise manual lifting; suitable work positioning; team handling where appropriate; Manual Handling Procedure	**9**	**6**

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.