

MCK GROUP – HS-RA-001 WORKSHOP RISK ASSESSMENT

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

Related Documents: OP-PR-003 Workshop Procedure; HS-PR-002 Daily Plant Inspection Procedure; OP-PR-017 Unsafe Plant Isolation Procedure; OP-PR-018 Spill Management & Containment Procedure; Hazardous Substances Procedure; Manual Handling Procedure; OP-PR-020 Working Alone Procedure; Fire Procedure; First Aid Kit Procedure; HS-SWMS-008 Hot Works SWMS; Operating Mobile Plant SWMS; Plant Maintenance Register; Training & Competency Register; Incident / NCR / Corrective Action Register; MCK Group IMS Registers Master.



Risk ID	Risk Event / Activity	Hazard	Causes	Potential Impacts	Current Controls	Initial Risk	Residual Risk
WR-001	Workshop access and housekeeping	Slips, trips and falls	Oil, grease, hoses, tools, parts, waste or uneven access areas	Sprains, fractures, lost time injury	Workshop Procedure; housekeeping requirements; designated storage; prompt spill clean-up; suitable footwear; clear access to exits and emergency equipment	9	4
WR-002	Maintenance and repair activities	Work undertaken by unauthorised or incompetent persons	Inadequate competency verification, unfamiliar task, insufficient supervision	Serious injury, plant damage, poor-quality repairs, repeat failures	Only competent and authorised personnel undertake repairs; Training & Competency Register; supervision; manufacturer instructions	12	4
WR-003	Plant maintenance and repair	Unexpected start-up or movement of plant	Failure to isolate energy sources, keys left in plant, inadequate lockout	Crushing, entanglement, serious injury or fatality	OP-PR-017 Unsafe Plant Isolation Procedure; keys removed; isolation before maintenance; out-of-service identification	15	4
WR-004	Hydraulic and pneumatic systems	Release of stored pressure or high-pressure fluid	Pressure not relieved, damaged hoses/fittings, incorrect disconnection method	Fluid injection injury, burns, struck-by injury, equipment damage	Isolation and depressurisation; competent maintenance personnel; inspection of hoses/fittings; manufacturer requirements; PPE	10	4
WR-005	Working beneath or around raised plant/components	Collapse or uncontrolled lowering	Inadequate supports, jack failure, working under unsupported components	Crushing, serious injury or fatality	Plant adequately supported; rated stands/supports; isolation; competent personnel; no reliance on hydraulic systems alone	15	4
WR-006	Vehicle and mobile plant movement in workshop	Collision with people, structures or other plant	Restricted visibility, reversing, congestion, poor communication	Serious injury, property damage, plant damage	Controlled access; low-speed movement; spotter where required; warning devices; clear travel paths; competent operators	15	4
WR-007	Parking and securing plant/vehicles	Uncontrolled movement or rollaway	Park brake not applied, unsuitable ground, wheels not chocked where required	Crushing, collision, property damage	Park brakes; suitable parking areas; chocks where required; plant shutdown procedures; operator checks	10	4
WR-008	Welding, grinding and other hot works	Fire or ignition of combustible materials	Sparks, flame, hot metal, flammable liquids or poor housekeeping	Burns, fire, major property damage, business interruption	HS-SWMS-008 Hot Works SWMS; combustibles removed/protected; extinguishers available; ventilation; post-work fire monitoring	15	4
WR-009	Welding and cutting	Exposure to welding fumes and gases	Inadequate ventilation, confined work area, unsuitable respiratory controls	Respiratory irritation or illness, reduced visibility	Adequate ventilation; task-specific PPE/RPE; Hot Works SWMS; SDS where applicable; competent workers	12	4
WR-010	Grinding, cutting and drilling	Flying particles, sparks and fragments	Tool or disc failure, incorrect guarding, poor work positioning	Eye injury, cuts, burns, struck-by injury	Tool guards; correct discs/accessories; eye and face protection; exclusion from line of fire; tool inspections	12	4
WR-011	Portable electrical tools and equipment	Electric shock or electrical fire	Damaged leads, plugs or tools, wet conditions, defective equipment	Electric shock, burns, fire, fatality	Visual inspection; defective electrical equipment removed from service; RCD protection where applicable; competent repair personnel	10	4
WR-012	Battery charging and maintenance	Battery acid exposure, electrical short or explosion	Damaged batteries, sparks, incorrect charging, poor ventilation	Chemical burns, eye injury, fire or explosion	PPE; ventilation; correct chargers; ignition sources controlled; damaged batteries managed appropriately; spill response available	10	4
WR-013	Fuel, oils, lubricants and chemicals	Chemical exposure or spill	Container failure, poor storage, transfer leaks, incorrect handling	Skin/eye injury, fire, soil or water contamination	Designated storage; SDS; spill kits; bunding where applicable; PPE; immediate spill response; waste controls	12	4
WR-014	Compressed air and pressurised systems	High-pressure release or misuse of compressed air	Damaged hoses/couplings, uncontrolled disconnection, directing air at people	Eye injury, injection injury, hearing damage, struck-by injury	Competent use; hose/fitting inspections; pressure isolation before disconnection; PPE; no horseplay or cleaning clothing with compressed air	12	4
WR-015	Tyre and wheel maintenance	Stored-energy release, tyre burst or wheel/rim failure	Incorrect inflation, damaged tyres/rims, unsafe repair method	Serious injury or fatality, property damage	Competent personnel; suitable inflation equipment; exclusion from line of fire; damaged components removed from service; specialist repairers where required	15	4
WR-016	Lifting plant components and workshop loads	Dropped or unstable load	Incorrect lifting equipment, overloading, poor attachment points, jack/stand failure	Crushing, serious injury, equipment damage	Rated lifting equipment; suitable jacks/stands; competent personnel; correct lifting points; exclusion zones	15	4
WR-017	Manual handling in workshop	Musculoskeletal strain or crush injury	Heavy parts, awkward postures, repetitive handling, poor access	Back injury, strains, hand/foot injury	Manual Handling Procedure; mechanical aids; team lifts; task planning; appropriate storage heights	12	4
WR-018	Workshop noise	Excessive occupational noise	Grinding, hammering, pneumatic tools, engines and mobile plant	Hearing damage, communication difficulties	Hearing protection; maintained tools/equipment; task separation where practicable; noise monitoring where required	12	4
WR-019	Tools and workshop equipment	Use of defective or unsuitable tools	Damage, poor inspection, incorrect tool selection, unauthorised modifications	Cuts, impact injuries, electric shock, equipment damage	Pre-use checks; correct tools for task; defective equipment removed from service; authorised repairs; tool storage	12	4
WR-020	Fire and emergency preparedness	Blocked emergency access or unavailable emergency equipment	Poor housekeeping, storage in access routes, unserviceable extinguishers or first aid kits	Delayed emergency response, increased injury or property loss	Clear exits; accessible extinguishers and first aid kits; emergency arrangements; housekeeping; equipment inspections	10	4
WR-021	Waste oils, filters, batteries and workshop waste	Incorrect storage or disposal	Poor segregation, leaking containers, inadequate waste arrangements	Environmental contamination, fire risk, regulatory breach	Designated waste storage; suitable containers; licensed disposal where required; spill controls; environmental requirements	12	4
WR-022	Maintenance defect management and return to service	Plant or heavy vehicle returned to service with unresolved defect	Poor fault recording, incomplete repair, inadequate verification or record closure	Serious incident, breakdown, roadworthiness failure, HVA non-compliance	Daily Plant Inspection Procedure; Plant Maintenance Register; defect reporting; competent repairs; verification before return to service; maintenance records	15	4
WR-023	Working alone or after hours in workshop	Delayed assistance following injury or incident	Lone work, reduced supervision, communication failure	Delayed emergency response, injury severity increases	Working Alone Procedure; communication/check-in arrangements; emergency contacts; task risk assessment; restrictions on high-risk work alone	10	4
WR-024	Psychosocial hazards	Psychosocial hazards associated with the task	High workloads, time pressure, fatigue, poor communication, repetitive work and workplace conflict.	Stress, reduced concentration, poor decision making, psychological injury and increased incident risk.	Worker consultation; work planning and supervision; Fatigue Management Procedure; regular breaks; effective communication; reporting pathways.	12	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.