

MCK GROUP – HS-RA-001 ENVIRONMENTAL RISK ASSESSMENT

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

Related Documents: HS-PR-001 Risk Assessment Procedure; OP-PR-018 Spill Management & Containment Procedure; HS-PR-004 Hazardous Substances Procedure; HS-PR-002 Daily Plant Inspection Procedure; HS-PR-005 Incident Investigation & Reporting Procedure; Environmental Management Plans (EMP); Site Specific Safety Management Plans (SSMP); Relevant Safe Work Method Statements (SWMS); HS-FO-019 Plant, Equipment & Asset Incident Report; MCK Group IMS Registers Master.



Risk ID	Risk Event / Activity	Hazard	Causes	Potential Impacts	Current Controls	Initial Risk	Residual Risk
ER-001	Fuel storage & refuelling	Fuel spill	Equipment failure / poor refuelling	Soil & water contamination	Spill kits, trained operators, designated refuelling	12	4
ER-002	Earthworks	Sediment runoff	Heavy rainfall / poor controls	Waterway pollution	ESC controls, planning	12	4
ER-003	Vegetation clearing	Unauthorised clearing	Poor boundary identification	Environmental breach	Approved plans, site marking	12	4
ER-004	Threatened flora	Damage to protected flora	Incorrect work methods	Regulatory breach	Pre-start inspections, EMP	8	4
ER-005	Fauna interaction	Injury to wildlife	Plant movements	Environmental harm	Pre-start inspections	9	4
ER-006	Biosecurity	Spread of weeds/pathogens	Dirty machinery	Land degradation	Washdown procedure	12	4
ER-007	Hazardous substances	Chemical spill	Container failure	Pollution	SDS, bunding	12	4
ER-008	Waste management	Incorrect disposal	Poor segregation	Pollution	Waste bins, licensed disposal	9	4
ER-009	Dust	Excessive dust	Dry weather	Community complaints	Water carts	9	4
ER-010	Noise	Excessive noise	Plant operation	Community impact	Maintained plant	6	4
ER-011	Watercourses	Working near waterways	Poor controls	Water contamination	Buffers, EMP	15	4
ER-012	Fire	Bushfire ignition	Hot works/plant	Bushfire	Fire extinguishers, bans	10	4
ER-013	Weather	Extreme rainfall	Storm event	Erosion	Weather monitoring	12	4
ER-014	Contaminated land	Unexpected contamination	Historic site	Exposure	Stop work procedure	8	4
ER-015	Cultural heritage	Disturbance	Unauthorised excavation	Legal breach	CHMP/site controls	8	4
ER-016	Stockpiles	Sediment/dust	Poor location	Pollution	Locate away from drains	9	4
ER-017	Plant maintenance	Fluid leaks	Poor maintenance	Soil contamination	Daily inspections	12	4
ER-018	Emergency response	Environmental incident not contained	Poor response	Major pollution	EMP, spill response	10	4
ER-019	Life-cycle impacts	Unmanaged life-cycle impacts	Poor purchasing, use or disposal decisions	Resource use, emissions, waste and pollution	Approved suppliers, procurement controls, planned maintenance, waste segregation, licensed disposal	12	4
ER-020	Completed works	Ongoing environmental impacts	Poor drainage, stabilisation or rehabilitation	Erosion, sediment runoff and habitat disturbance	Approved designs, EMP, inspections, erosion controls, rehabilitation	12	4
ER-021	Environmental quality	Cumulative environmental change	Repeated dust, noise, turbidity or visual disturbance	Reduced environmental quality, amenity or community confidence	Site inspections; dust and noise controls; waterway checks; complaints process	9	4
ER-022	Climate change	Extreme climate conditions	Heavy rainfall, flooding, heat, drought, storms or bushfire	Erosion, spills, fire, habitat stress and disruption	Weather monitoring; EMP; emergency and fire controls; erosion controls; stop-work criteria	15	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.