

This is the document everything else in an EMS depends on, and the first one an auditor opens. Two failures recur: significance assigned by intuition with no stated criteria, and a register that stops at the site boundary. The criteria are in the column header here, and upstream and downstream lifecycle stages are included — both are explicit Clause 6.1.2 requirements.

REF	ACTIVITY, PRODUCT OR SERVICE	ENVIRONMENTAL ASPECT	ENVIRONMENTAL IMPACT	LIFECYCLE STAGE	CONDITION (NORMAL / ABNORMAL / EMERGENCY)	SEVERITY (1-5)	LIKELIHOOD (1-5)	LEGAL OR OTHER OBLIGATION? (Y/N)	SIGNIFICANCE SCORE	SIGNIFICANT? (THRESHOLD >=12 OR ANY LEGAL OBLIGATION)	OPERATIONAL CONTROL	OWNER	CLAUSE
EA-01	Concrete batching and delivery	Cement dust emission to air	Air quality degradation; respiratory risk to neighbours	Production	Normal	3	4	Y	12	Yes - score and legal	Enclosed silos, dust suppression, filter maintenance schedule	Site Manager	6.1.2, 8.1
EA-02	Site dewatering to stormwater	Discharge of sediment-laden water	Turbidity and sedimentation in receiving waterway	Construction	Normal	4	3	Y	12	Yes - score and licence condition	Sediment basin, flocculation, turbidity testing before release	Environment Coordinator	6.1.2, 8.1, 9.1
EA-03	Bulk diesel storage, 20,000 L	Potential loss of containment	Soil and groundwater contamination	Support	Emergency	5	2	Y	10	Yes - emergency and legal	Bunded to 110%, monthly integrity inspection, spill response plan tested annually	Plant Manager	6.1.2, 8.2
EA-04	Plant and equipment operation	Diesel combustion emissions	Greenhouse gas emissions; local air quality	Operation	Normal	3	5	Y	15	Yes - highest score on register	Idle-reduction policy, servicing to schedule, fuel data captured monthly	Plant Manager	6.1.2, 6.2
EA-05	Demolition and strip-out	Generation of mixed construction waste	Landfill consumption; resource depletion	End of life	Normal	3	4	Y	12	Yes - score and tracking obligation	Waste segregation on site, licensed carriers, monthly diversion reporting	Project Manager	6.1.2, 8.1
EA-06	Asbestos removal on refurbishment	Release of airborne fibres	Severe human health impact; contaminated land	Construction	Abnormal	5	1	Y	5	Yes - legal obligation overrides score	Licensed removalist only, clearance certificate before re-entry, air monitoring	HSEQ Manager	6.1.2, 7.2, 8.2
EA-07	Vegetation clearing	Habitat removal	Biodiversity loss; potential impact on listed species	Site establishment	Normal	4	2	Y	8	Yes - legal obligation	Pre-clearance survey, exclusion zones, approval conditions register	Environment Coordinator	6.1.2, 6.1.3
EA-08	Night works with generators	Noise emission beyond boundary	Amenity impact on residents; complaint and enforcement risk	Construction	Abnormal	2	4	Y	8	Yes - legal obligation	Approved hours, attenuated sets, boundary noise monitoring	Site Manager	6.1.2, 8.1
EA-09	Concrete washout	Alkaline slurry discharge	pH excursion in soil and waterway	Construction	Normal	3	3	N	9	No - below threshold, no direct obligation	Designated washout bay, pH check before disposal	Site Manager	6.1.2

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EA-10	Office and amenities operation	Electricity consumption	Greenhouse gas emissions (indirect)	Support	Normal	2	5	N	10	No - below threshold	Timer controls, LED retrofit completed, quarterly consumption review	Facilities Coordinator	6.1.2
EA-11	Procurement of aggregates and timber	Upstream extraction and transport impacts	Resource depletion; embodied emissions	Upstream (lifecycle perspective)	Normal	3	3	N	9	No - retained for lifecycle visibility	Environmental criteria in supplier prequalification; chain-of-custody timber where specified	Procurement Manager	6.1.2, 8.1
EA-12	Handover and building operation	In-use energy and water demand	Long-term emissions and resource use	Downstream (lifecycle perspective)	Normal	3	4	N	12	Yes - score, and largest lifecycle influence	Design review input, commissioning evidence, operations and maintenance manual handed over	Design Manager	6.1.2, 8.1

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