

QUOLLNET — RAMS Pack | Risk Register

Complete one row per hazard per work step. Risk Rating = Likelihood × Severity. Verify all thresholds against company HSE procedure or project requirements.

#	Step No.	Work Step	Hazard	Possible Consequence	Persons at Risk	Initial Likelihood	Initial Severity	Initial Risk Rating	Control Measures	Residual Likelihood	Residual Severity	Residual Risk Rating	Additional Action Required	Responsible Person	Target Date	Status	Permit / ITP / WIR Ref.
1	1	Site Establishment & Setting Out	Underground utility strike during setting out / trial pitting	Electrocution; gas release; flooding; asset damage	Workers; site personnel	4	5	20	Review updated utility drawings; CAT/Genny scan; trial pits; Permit to Dig signed before any ground break; minimum clearance distances from live services; spotter during initial work; utility provider notification	2	4	8		[HSE Officer]		Open	[Permit-to-Dig P-001; ITP-01]
2	2	Rig Mobilisation & Platform Setup	Rig overturning on weak platform, crane tip-over during lift	Fatal crush injury; asset loss; third-party damage	Rig operator; crew; public	3	5	15	Platform certified by geotechnical engineer; bearing capacity verified; rig mats installed; daily platform inspection after rain; exclusion zone ≥ rig radius + 3m; banksman always present; rig operator certification current; lift plan reviewed and approved	1	5	5		[Superintendent]		Open	[Platform Certificate; Permit-to-Lift P-002; ITP-02]
3	3	Dry Drilling	Entanglement with rotating auger / kelly bar; ejected debris	Amputation; crush; eye injury	Rig operator; assistants nearby	3	5	15	No-go zone around rig during rotation; guarding in place; lockout during tool changes; only competent trained personnel within 5m; snug clothing; PPE — hard hat, safety glasses, gloves; toolbox talk before start; supervisor present	2	4	8		[Rig Operator; Superintendent]		Open	[ITP-03]
4	3	Dry Drilling	Fall into open borehole	Fatal fall; head/spinal injury	Workers; visitors	3	5	15	All open boreholes covered immediately with rated steel plates or guarded with rigid barriers; never leave uncovered and unattended; covers marked and secured; nightly site inspection; supervisor sign-off before breaks	1	5	5		[Superintendent; HSE Officer]		Open	[HSE Plan Sec. 4]
5	4	Reinforcement Cage Lifting	Dropped load during cage lift; cage swing striking personnel	Fatal struck-by; crush; fracture	Lifting crew; nearby workers	3	5	15	Lift plan approved; crane and all lifting gear certified and inspected; certified slings and shackles — SWL verified; tag lines used; wind limit per lift plan (typically ≤ 10 m/s — Verify); no personnel under suspended load; exclusion zone during lift; banksman controls all movements; pre-lift meeting completed	1	5	5		[Lifting Supervisor; Crane Operator]		Open	[Permit-to-Lift P-002; Lift Plan LP-001; ITP-05]
6	5	Concrete Placement (Tremie)	Pump line failure / whip; concrete splatter	Impact injury; alkali burns to skin/eyes	Concrete crew; nearby workers	3	3	9	Pressure test pump lines; whip checks (safety cables) on all couplings; safety pins / clamps at joints; all personnel clear of line during pumping; face shield and chemical-resistant gloves for concrete crew; eyewash station on site	2	2	4		[Concrete Supervisor]		Open	[ITP-06]
7	5	Concrete Placement (Tremie)	Cement / concrete chemical skin and eye exposure	Dermatitis; severe alkali burns	Concrete crew; steel fixers	4	2	8	Avoid direct skin contact; alkali-resistant gloves; safety glasses; long-sleeve clothing; welfare facilities with soap and water adjacent to work area; eyewash station; SDS for all admixtures available on site	2	2	4		[HSE Officer; Concrete Supervisor]		Open	[SDS — Concrete]
8	6	Casing Extraction	Sudden casing drop or lurch injuring personnel	Crush; fracture; fatality	Rig crew; nearby personnel	3	5	15	Controlled extraction speed; exclusion zone maintained; no manual handling of casing during extraction; plant operator trained on casing extraction procedure; adequate concrete head maintained; supervisor monitoring	1	5	5		[Superintendent; Rig Operator]		Open	[ITP-07]
9	9	All Steps	Noise-induced hearing loss from drilling / piling operations	Permanent hearing damage	All site personnel	4	3	12	Mandatory hearing protection in all noisy zones; ear defenders EN 352 or equiv.; maintained tooling reduces noise output; work hour restrictions near sensitive receptors; noise monitoring if required by permit	2	2	4		[HSE Officer]		Open	[HSE Plan; Environmental Permit if applicable]
10	13	Demobilisation	Vehicle / plant movement striking personnel during demob	Struck-by injury; fatality	All site personnel; public	3	4	12	Traffic management plan active during demob; banksman controlling all plant movements; hi-vis worn by all; pedestrian exclusion from vehicle routes; speed limit ≤ 10 km/h on site	2	3	6		[Superintendent; HSE Officer]		Open	[Traffic Management Plan TMP-001]