

RISK ASSESSMENT FORM



Company Name: Your Company	Client / Site: Your Site
Task/Activity: Your Activity	
Ref No: 12345	Date of Assessment: 01/01/0001
Review Date: N/A	

RISK / HAZARD	Persons at Risk	Significant Hazards and The Risks From Them	Risk Factor (RF) <small>With no control measures in place</small> Initial Risk Rating			SPECIFIED CONTROL MEASURES	Risk Factor (RF) <small>With control measures in place</small> Controlled Risk Rating		
			L	S	L x S		L	S	L x S
Electrical Safety	Operatives Public	<ul style="list-style-type: none"> • Electric shock from contact with live cables or equipment. • Burns from electrical fires or explosions. • Arc flash incidents from short circuits or equipment malfunctions. 	3	5	15	<ul style="list-style-type: none"> • Identification and clear marking of all underground and overhead electrical cables before starting work. • Use of cable avoidance tools (CAT) and signal generators (Genny) to detect live cables. • Implementing safe digging practices to avoid damaging electrical infrastructure. • Provision of insulated tools and protective equipment for operatives working near electrical sources. • Regular inspection and maintenance of electrical equipment and machinery to ensure they are in good condition and safe to use. • Training for all site personnel on electrical safety, including how to respond in the event of an electrical incident. • Establishing and enforcing a permit-to-work system for any work involving electrical installations or near live electrical equipment. • Ensuring that only qualified electricians perform electrical work or repairs. • Implementing lockout-tagout (LOTO) procedures to ensure machinery is safely de-energised before maintenance or repair. 	1	3	3
Lack of Emergency Preparedness	Operatives Visitors Staff Public	<ul style="list-style-type: none"> • Inability to respond effectively to emergencies, leading to increased injuries or fatalities • Confusion and panic during evacuation • Delayed emergency response times 	3	5	15	<ul style="list-style-type: none"> • Developing and implementing a comprehensive emergency response plan tailored to the specific hazards of the construction site. • Regular training for all site personnel on emergency procedures, including fire evacuation, first aid, and the use of emergency equipment. • Conducting regular emergency drills to ensure that all workers are familiar with evacuation routes and procedures. • Installing clear signage for emergency exits and assembly points across the site. • Equipping the site with appropriate emergency facilities and equipment, such as fire extinguishers, first aid kits, and emergency alarms. • Appointing designated safety officers or emergency coordinators to oversee emergency responses and evacuations. • Ensuring effective communication systems are in place to alert workers of an emergency promptly. • Establishing a system for accounting for all personnel following an evacuation. 	1	3	3

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			L	S	L x S		L	S	L x S
Water and Flooding	Operatives Visitors Staff Public	<ul style="list-style-type: none"> Slip and fall injuries due to wet surfaces. Electrical hazards from water contact with power tools and machinery. Undermining of temporary structures or excavation sites due to water erosion. Vehicle control loss on wet or flooded road surfaces, leading to accidents. 	3	4	12	<ul style="list-style-type: none"> Assessment of weather forecasts and planning work schedules around periods of heavy rain where possible. Installation of adequate drainage systems to prevent water accumulation in work areas and on road surfaces. Use of water-resistant barriers and covers to protect excavation sites and electrical equipment. Regular inspection and maintenance of pumps and other water removal equipment to ensure they are operational when needed. Implementation of temporary road surface treatments to enhance traction in wet conditions. Clear signage warning of wet or flooded conditions ahead for both operatives and the public. Training for operatives on the risks associated with working near water, including the use of appropriate personal protective equipment (PPE) and safe working practices. Development of an emergency response plan specifically addressing flood events, including evacuation routes and assembly points. 	2	3	6
Water Hazards	Operatives Visitors Staff Public	<ul style="list-style-type: none"> Drowning Slips, trips, and falls near water bodies Waterborne diseases Hypothermia in cold water 	3	4	12	<ul style="list-style-type: none"> Installation of guardrails and barriers around open water bodies to prevent accidental falls. Providing clear signage indicating the presence of water hazards and advising caution. Ensuring that life-saving equipment, such as lifebuoys and ropes, is readily available and accessible around water bodies. Implementing slip-resistant surfaces near water edges to reduce the risk of slips and falls. Providing training for workers on water safety, including the use of personal flotation devices when working near or on water. Conducting regular water quality tests in areas where workers may come into contact with water, to prevent exposure to waterborne diseases. Establishing emergency response plans for water-related incidents, including procedures for swift water rescue. Limiting access to areas with significant water hazards to authorised personnel only, and providing them with appropriate personal protective equipment and training. 	1	2	2

Follow up assessment required? No

Assessment review date: N/A

IMPORTANT, HOW THIS RISK ASSESSMENT WAS CALCULATED

Severity of Harm (S)	S/L	Likelihood of Harm (L)				
		Remote	Unlikely	Possible	Likely	Certain
Trivial Injury	1	1	2	3	4	5
Minor injury	2	2	4	6	8	10
Lost Time Injury	3	3	6	9	12	15
Major Injury	4	4	8	12	16	20
Fatality	5	5	10	15	20	25

Completed By: John Doe

Position: HSEQ Manager

Signature:



Approved By:

Position:

Signature:

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Establish the Severity (S), Likelihood (L) and Risk Factor (RF) by reference to the Matrix below: $RF = S \times L$