

Pre-Work Risk Assessment Template

Instructions For Use

This pre-work risk assessment is to be completed with the Contractor (s) and the Queensland Hydro representatives ahead of the Authority to Work being issued.

Consider and list the hazards that may arise out of the work activity or develop over the course of work. Use the prompts in Section 2 and the Core Hazard Checklist in **Table 1** at the back of this document as guides.

Identify all controls that are currently in place and further controls as necessary for the tasks being performed using the Hierarchy of Control. Information from this assessment is to be incorporated by the Contractor in relevant SWMS.

A copy of this risk assessment is to be retained at the worksite. All workers are to review the assessment and sign on to this document in Section 4.

SECTION 1 – WORK DETAILS					
Date:		Project: <i>(circle)</i>	Borumba Pioneer Burdekin	Location:	
Contractor Company:		Expected start date:		Expected duration of work:	
Work Scope:					
Queensland Hydro participants			Contractor participants		

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Author:	Kelly Palmer	Head of Health and Safety	Version Date:	18/03/2024	
Approver:	Greg Tonks	EGM, Corporate	Revision ID:	B	

SECTION 2– HAZARD IDENTIFICATION AND RISK CONTROLS				
Potential Safety Hazards?	Y	N	Control Measures <i>All risks identified as “Y” to have controls identified below prior to any commencement of work.</i>	Risk Minimised
Light Vehicle use	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Working at Height	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Overhead Services	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Underground Services	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Uneven/Unstable Ground	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Remote/ isolated site	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Hot Work	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Fauna/ flora interactions	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Weather Conditions	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Excavation	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Excessive Noise	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Excessive vibration	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Falling Objects	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Stored energy (e.g. high pressure fluids)	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Hazardous Manual Tasks	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Hazardous Substances	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Inadequate Lighting	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Confined Spaces Entry	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Working In, On or Near Water	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Demolition Work	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Mobile Plant Operations	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Lifting operations	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Airbourne Contaminates (RCS, asbestos etc)	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Security/ Unauthorised access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Radiation/ UV radiation	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Psychological and/ or Physical Impairment	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Potential Environmental Hazards?	Y	N	Control Measures <i>All risks identified as "Y" to have controls identified below prior to any commencement of work.</i>	Risk Minimised
Damage to vegetation	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Impact on fauna habitat/breeding places (nests, burrows, caves, hollows or cracks)	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Wildlife injury/death/stranding/	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Harm to aquatic fauna	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Spread of aquatic pests i.e. plants, pest fish, pest turtles	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Spread of terrestrial pest plants and diseases	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Air quality degradation i.e., dust and emissions	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Soil erosion and sediment transfer	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Generation of excessive noise within close proximity to sensitive receptors i.e., houses, schools, wildlife	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Altering of water quality	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Use of environmentally hazardous chemicals e.g.	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

persistent environmental chemicals				
Improper handling of waste	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Storage of chemicals	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Leaks and spills e.g. refuelling, use of plant with hydraulic lines	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Contaminated land	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Breach of environment and planning legislation	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Bushfire	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Harm to cultural heritage	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

SECTION 3 – ADDITIONAL CONTROLS NEEDED

Have all controls been implemented/confirmed and outstanding issues resolved? Yes No If no, list further actions below.

Action	By Whom	By When	Status

CORE SAFETY HAZARDS CHECK LIST	
<p><u>Access to Job</u></p> <ul style="list-style-type: none"> • Ground Conditions – Stable, slippery, uneven, sloping • Lighting OK, access and escape routes clear. • Unauthorised site entry <p><u>Electrical Hazards</u></p> <ul style="list-style-type: none"> • Refer to the work standards and Procedures • Wires down / Emergency conditions • Live conductors/ overhead lines • Identify minimum approach distances • Work on or near equipment / parts which can become energised. • Inservice underground cables • Induction voltage • Step - Touch Potential <p><u>Hazards from Heights/Falls</u></p> <ul style="list-style-type: none"> • Open excavations • Falling objects, equipment working overhead • Elevated work location • Positions of people • Size, shape, load, duration <p><u>Hazards from Crushing</u></p> <ul style="list-style-type: none"> • Moving equipment • Unsupported equipment/poles • Roll over • Material falling onto workers • Caught between/underneath <p><u>Manual Handling</u></p> <ul style="list-style-type: none"> • Position of people • Size, Shape and Load duration • Vibration • Static Posture • Repetitive movement 	<p><u>Heat Stress</u></p> <ul style="list-style-type: none"> • Work Location Conditions - Temperature, Humidity, Wind, Hot Surfaces, Access to water • Job Requirements – PPE required, Tasks, Work Rate / Level of Activity, Length, Breaks • Individual worker attributes - Acclimatisation, FFD, previous heat stress incidents / medical condition, hydration, medications <p><u>Mechanical Hazards</u></p> <ul style="list-style-type: none"> • Rotating machinery, Component Failure, oil spills <p><u>Hazards to / from Public / Others</u></p> <ul style="list-style-type: none"> • Other trades, contractors • Visitor Medical Alert needs • Inexperienced Team Members • Unauthorised Entry • Bullying <p><u>Confined Space</u></p> <ul style="list-style-type: none"> • Chemical substances stored or used in or near • Displacement of oxygen • Generate heat (Work practice) • Flooding • Debris or rotting matter • Poor ventilation (fans not operating) • Insufficient lighting • No competent stand-by person <p><u>Other Hazards</u></p> <ul style="list-style-type: none"> • Hazardous substances, dusts • Asbestos • Traffic Hazards • Weather/Sun • Sharp objects (e.g. syringes) • Biological/Chemical • Insects/pests • Radiation (e.g microwave, etc) • Pressure (e.g Gas Cylinders)
CORE ENVIRONMENTAL HAZARDS CHECKLIST	
<p><u>Fauna</u></p> <ul style="list-style-type: none"> • Excavation of soils • Clearing of vegetation • Demolition of buildings/structures • Activities such as dewatering, excavation & construction in watercourses <p><u>Vegetation</u></p>	<p><u>Biosecurity</u></p> <ul style="list-style-type: none"> • Movement of vehicle and machinery • Movement of plant material, soil and rock on property <p><u>Groundwater Quality</u></p> <ul style="list-style-type: none"> • Drilling • Bore construction

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- Damage to vegetation as a result of unauthorised clearing
- Storage of material within root zones

Air Quality

- Use of dirt tracks
- Controlled burns
- Storage of waste
- Excavation of anaerobic soils
- Abrasive works

Surface Water Quality

- Discharge into/near a watercourse
- Excavation into/near water
- Construction in/ near a watercourse

Noise

- Proximity to sensitive receptors i.e., houses, schools, wildlife

Soil quality

- Excavation on contaminated land
- Operation of vehicles or use of plant with hydraulic lines

Chemicals and Hazardous substances

- Chemical storage
- Chemical handling

Cultural Heritage

- Excavation of soils
- Clearing vegetation