

Project Hazard and Risk Analysis

| Project/Site | | | |
|--------------|--|-----------------------|--|
| Contractor | | Contractor Rep's name | |
| Contractor | | Contractor Rep's name | |
| Contractor | | Contractor Rep's name | |

This form is to be used when estimating works to identify and assess the risks associated with the project. All stakeholders must be consulted, and risks be communicated to all stakeholders delivering the work, to implement minimum controls. The minimum controls must be allowed for in the project costs.

Where a Principal Contractor is appointed, for projects over \$250 000, a WHS Management Plan (FRM148) and the Project WHS Risks and Controls Register (FRM849) must be implemented.

The WHS Act, s20, requires that, *the person with management or control of a workplace must ensure, so far as is reasonably practicable, that the workplace, the means of entering and exiting the workplace and anything arising from the workplace are without risks to the health and safety of any person.*

Similarly, the WHS Regulation s34 also states, *A duty holder, in managing risks to health and safety, must identify reasonably foreseeable hazards that could give rise to risks to health and safety.*

Note: QBuild provides services to Customers (e.g. DoE, EQL) who may have specified WHS protocols. A review of customer requirements must be undertaken when completing this form. To assist this, review the [Customer Portals](#) page located on the HUB.

If there are any uncertainties when completing this form, please consult with your local WHS advisor.

The Work Health and Safety Regulation 2011, s291, lists the following as High-risk construction activities:

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| <ul style="list-style-type: none"> involves a risk of a person falling more than 2m; or is carried out on a telecommunication tower; or involves demolition of an element of a structure that is load bearing or otherwise related to the physical integrity of the structure; or involves, or is likely to involve, the disturbance of asbestos; or involves structural alterations or repairs that require temporary support to prevent collapse; or is carried out in or near a confined space; or | <ul style="list-style-type: none"> is carried out in or near a shaft or trench with an excavated depth greater than 1.5m or a tunnel; or involves the use of explosives; or carried out on or near pressurised gas distribution mains or piping; or is carried out on or near chemical, fuel or refrigerant lines; or is carried out on or near energised electrical installations or services; or is carried out in an area that may have a contaminated or flammable atmosphere; or | <ul style="list-style-type: none"> involves tilt-up or precast concrete; or is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor that is in use by traffic other than pedestrians; or is carried out in an area at a workplace in which there is any movement of powered mobile plant; or is carried out in an area in which there are artificial extremes of temperature; or is carried out in or near water or other liquid that involves a risk of drowning; or involves diving work. |
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| WHS Item/Activity | (Tick if yes) | Control Measures (refer to the QBuild WHS Operational Guidelines) |
|---|---------------|--|
| Demolition | | |
| Demolition of a load bearing structure | | <ul style="list-style-type: none"> Licensed and notifiable activity (5 days prior) (section 5.3) SWMS must be in place |
| Working on energised electrical installations or services | | |
| Personnel/plant to work within exclusion zones of overhead electrical service lines | | <ul style="list-style-type: none"> Service provider to inspect service and issue safety advice (section 5.5) SWMS must be in place |
| Work on/near unprotected electricity supply/installations (LIVE WORK) | | <ul style="list-style-type: none"> Live work NOT to be undertaken without SWMS and approval from QBuild (Section 5.5) SWMS must be in place |
| Underground water/gas/electrical/data service in/near work area | | <ul style="list-style-type: none"> Services to be located prior to excavation (section 5.5 and 5.6) Dial before you dig SWMS must be in place |
| Water/gas/electrical/data cables/services in walls, floors | | <ul style="list-style-type: none"> Services to be located prior to commencement of work (section |

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| ceilings etc. in/near work area | | 5.6) • SWMS must be in place |
| Work at Heights – Risk of a person falling more than 2m | | |
| Work above 2m | | • SWMS must be in place • Fall protection required (section 5.20.3) |
| Working with/from Cranes | | • Licensed operator/Dogman required (section 5.14) • SWMS must be in place • Lift plan required |
| Work involving Elevating Work Platforms (Scissors or Boom Type) | | • Licensed operator required (sections 5.14 and 5.20) • SWMS must be in place |
| Working from Scaffolding | | • Erection by competent person required (sections 5.20) • SWMS must be in place |
| Excavations – Work in a trench deeper than 1.5m | | |
| Excavations GREATER than 1.5m in depth | | • Shore, Bench or Batter unless certified in writing by Geotechnical Engineer (section 5.6) • SWMS must be in place • Dial before you dig |
| Excavations LESS than 1.5m in depth | | • Hoarding/Barricading required (section 5.6) |
| Asbestos – Likely to involve disturbing asbestos | | |
| Removal, inspection and/or working with any asbestos products | | • Removal as per QBuild and legislative standards (section 5.8.4) • Licensed operator and workers, consideration of Hygienist • SWMS and/or ARCP must be in place • Face-fit test, Form 65, health checks, HEPA vacuum. |
| Area that may have contaminated or flammable atmosphere | | |
| Work involving risk of inhalation of silica e.g. drilling, cutting or grinding of materials containing more than 1% crystalline silica (weight/weight concentration) such as concrete, wall sheeting, blocks, etc. | | • Controls must be in place, i.e., respiratory protection to be worn, face-fit test, water suppression, LEV, etc. • Exclusion zones, signage and barricading to be put in place (section 5.8) • SWMS must be in place |
| Work involving use of Hazardous Chemicals e.g. abrasive blasting, paint spraying, paint, poisons, solvents, adhesives, Lead work etc. | | • Provide approved SDS (section 5.8) • SWMS required if creating a contaminated or flammable atmosphere |
| Removal/Treatment of Lead Paint | | • Removal as per QBuild and legislative standards (section 5.8) • SWMS required if creating a contaminated or flammable atmosphere |
| Plant and Machinery – an area with movement of powered mobile plant | | |
| Work with concrete pumps | | • Hoarding/barricading required (section 5.16) • Licensed operator • SWMS must be in place |
| Work with earthmoving machinery | | • Provide exclusion zones (section 5.16) • SWMS must be in place • Risk assessment, service records |
| Working with cranes/material hoists etc. | | • Provide exclusion zones (section 5.14 and 5.16) • Licensed operator • SWMS must be in place • Lift plan |
| Confined Space | | |
| Work in a confined space | | • Only to be completed by a competently trained person • Confined space entry permit (section 5.2) • Emergency Response Plan • SWMS must be in place |
| Near water or liquid that involves a risk of drowning | | |
| Work near any body of water e.g. swimming pools, ponds, wharf docks etc. | | • Ensure a minimum of 2 persons always working together • SWMS to be in place |
| Adjacent to a road, shipping lane or traffic corridor | | |
| Traffic management required around work site | | • Traffic management plan including traffic controllers (section 5.1) • SWMS to be in place |

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| Other High Risk Construction Activity – should these apply, please seek your Workplace Health and Safety team for advice | | |
| Work on a telecommunication tower | | • SWMS to be in place |
| Work on or near chemical refrigerant lines | | • SWMS to be in place |
| Tilt up or pre-cast concrete elements | | • SWMS to be in place |
| Temporary load bearing support for structural alterations or repairs | | • SWMS to be in place |
| Use of explosives | | • SWMS to be in place |
| On or near pressurised gas mains or piping | | • SWMS to be in place |
| Diving work | | • SWMS to be in place |
| Other high-risk activities not listed above | | • Should you anticipate a high-risk activity and it is not listed above, please contact the Workplace Health and Safety team for advice. |

| Other WHS Item/Activity | (Tick if yes) | Control Measures (Sections quoted below refer to the QBuild WHS Operational Guidelines) |
|---|---------------|--|
| Remote or Isolated Site | | |
| Access | | <ul style="list-style-type: none"> Transport, Journey management (section 5.1, 5.13) |
| Site access / security | | |
| Public pedestrian access required through/near the site/work area | | <ul style="list-style-type: none"> Barricading, signage required (section 5.1) |
| Children near work area e.g. schools/housing sites | | <ul style="list-style-type: none"> Barricading and signage required (section 5.1) |
| Site/building will be occupied by tenants/public during construction | | <ul style="list-style-type: none"> Hoarding/barricading required (section 5.1) Work Area Access Permit (WAAP) |
| Air / explosive operated power tools | | |
| Air operated nail guns/explosive power operated tools in use | | <ul style="list-style-type: none"> PPE and signage (section 5.16) |
| Work involving compressed air e.g. spray painting | | <ul style="list-style-type: none"> PPE and signage (section 5.15) |
| Manual / Material Handling | | |
| Lifting or moving heavy/awkward loads | | <ul style="list-style-type: none"> Lifting/moving equipment required (section 5.9) |
| Material/equipment to be lifted to elevated areas | | <ul style="list-style-type: none"> Mechanical equipment required (section 5.14) |
| Work involving biological hazards e.g. syringes, blood, faeces etc. | | |
| Clean up of clandestine drug lab | | <ul style="list-style-type: none"> Procedure as per FRM588 (section 5.19, 5.8) |
| Clean up of vacant properties | | <ul style="list-style-type: none"> Procedure as per FRM588 (section 5.19, 5.8) |
| Heritage listed building | | |
| Working on Aged/Significant Buildings with potential heritage listing either Current or Pending | | <ul style="list-style-type: none"> Refer to Queensland Heritage Register https://www.qld.gov.au/environment/land/heritage/register FRM706 Town Planning and Environmental Scan |

| Environmental Management | Control Measures (Sections quoted below refer to the QBuild document in the Hub) |
|--|---|
| Is there an environmental consideration for this project? | <ul style="list-style-type: none"> If Yes refer to relevant section below on this form for controls If NO proceed to next section |
| Acid sulphate soils | • PRO115 |
| Dust Management on site | • PRO118 |
| Fire Ant Management | • PRO106 |
| General Site Management including Water Quality | • PRO106 |
| Protected Vegetation and Wildlife Management | • PRO121 |
| Noise & Vibration Management – excessive noise/vibration issues | • PRO120 |
| Stormwater Erosion & Sediment Control Management | • PRO122 |
| Water Quality – Deposit or release of materials into roadside system | • PRO106 |
| PCB Waste management – monitoring of waste types & operational costs | • PRO124 |
| Other | |

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| Estimator - To the best of my knowledge I have identified potential hazards/risks from the project specification or scope of works to be conducted. | | | Date | |
| Signature | | Name | | |
| Supervisor - I have reviewed the WHSE hazards/risks relevant to this site identified by the Estimator. | | | Date | |
| Signature | | Name | | |