

PBS Project Risk Register

PBS Project Risk Register (PRR)



PBS Project Risk Register						Acronym	Responsible Positions	Hierarchy of Control		Control Selections		
						SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	76%	
						SM	Site Manager	5. Substitution	0	%Controls < Engineering	24%	
						FM	Foreman	4. Isolation	9			
						CA	Contracts Administrator	3. Engineering	17	⚠Check formulas in L2-L7 if you add rows to ensure range is correct		
Workplace Location:	35 Doonan Rd Nambour					EHSQ	EHSQ Co-Ordinator	2. Administration	8			Delete Legislation / Codes not applicable to your jurisdiction
Issue Number:	1					PE/SE	Project Engineer / Site Engineer	1.PPE	3			
Issue Date:	7/10/2021											
Activity Description	High Risk Construction Work	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
All Trades / Common Activity			Manual Handling	C Possible	3 Medium	9	Identified control measures must follow the Hierarchy of Control commencing with elimination of the manual handling task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. Bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2011, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
All Trades / Common Activity	Risk of Person Falling more than 2m		Falls of persons from Height More than 2m	C Possible	5 Very Large	15	HRSWMS in place for any High Risk Construction works. Keep work areas clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Scaffold and /or edge protection to be completed and signed off as ready for use. All loading areas on scaffold to have midrail and top rail installed after load is on scaffold. Mesh infills to be utilised as another option.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
All Trades / Common Activity			Falls of persons from Height Less than 2m	C Possible	3 Medium	9	Identified control measures must follow the Hierarchy of Control commencing with elimination of the task where reasonably practicable. Use of platform ladder or Mobile scaffold as a first action. Use of step ladder for less than 15 min duration or in cases where platform ladder is not viable Handrail installed at opening to prevent person from falling. Scaffold to be completed and signed off as ready for use. All loading areas on scaffold to have midrail and top rail installed after load is on scaffold. Mesh infills to be utilised as another option. Persons are to remain inside the EWP and not stand on the mid rail to over stretch to complete a task.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
All Trades / Common Activity			Cuts and Lacerations	D Unlikely	3 Medium	6	All guards to be fitted to power tools, Leads and tools to be test & tagged by a competent person 3 monthly and any RCD to be test & tagged monthly. Wear the correct PPE for use of power tool and hand tools.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
All Trades / Common Activity			Falls of materials	D Unlikely	4 Large	8	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide ,
All Trades / Common Activity			Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn, including the use of P2 or higher control masks when working with hazardous materials. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			Fatigue	D Unlikely	2 Small	4	Rotate work crews for demanding and heavily physical tasks . Monitor number of workers and hours worked. Contractors to manage own workers in accordance with their own fatigue management process. Min 12hr break between shifts.	4. Isolation	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP. Managing the risks of plant in the workplace CoP, Hazardous manual tasks CoP.
All Trades / Common Activity	Is carried out on or near energised electrical installations or services		Electric shock from power tools, leads and equipment	C Possible	4 Large	12	All guards to be fitted to power tools, Leads/tools to be test & tagged 3 monthly by a competent person and any RCD to be test & tagged monthly.Register of tagging to be provided to PBS upon completion of tagging. Wear the correct PPE for task or activity undertaken. Leads to be elevated and run through correct cable openings in temp board. No Piggybacking of leads. RCD box to be used to join extension leads if required.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .

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All Trades / Common Activity	<i>Is carried out on or near energised electrical installations or services</i>		Electric shock from power tools, leads and equipment - Temp Boards	C Possible	4 Large	12	Temporary boards must be physically secured to prevent overturn of board and front covers must be lockable. Temporary boards must have locked covers over circuit - breakers and RCDs associated with outgoing circuits apart from the main switch/isolating switch which must be readily accessible in the event of an emergency. Permanent House Distribution Boards displayed power supplier / Authority compliance labels which allow power connection area a higher control level confirming 'test and tag' requirements. Permanent House Distribution Boards must be fitted with mechanical protection to prevent leads being damaged before use by contractors. RCD Trip times to be recorded monthly	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
All Trades / Common Activity	<i>Is carried out on or near energised electrical installations or services Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near chemical, fuel or refrigerant lines;</i>		Contact with Live Existing Services	A Almost Certain	4 Large	20	As built to be received from the client to confirm existing services. Evidence and As Built drawings from client to identify any live and disconnected services within the project boundaries. Service Locator to be engaged to conduct survey of site and provide to PBS. PBS Isolation/Energisation Permit to be used. An Excavation Permit may also be needed. Any live services that remain inside PBS fence line above grade are to be identified using robust barricading and signage. DBYD to be reviewed by PBS and provided to Demolition Contractor. In ground services are to be visually marked.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
All Trades / Common Activity	<i>Risk of Person Falling more than 2m</i>		Materials / person falling from a ladder	C Possible	2 Small	6	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide ,
All Trades / Common Activity			Temperature extremes	C Possible	1 Very Small	3	Sunscreen to be worn. Broad brims on hard hats encouraged. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
All Trades / Common Activity			Working in Cold, Inclement or Windy Weather	C Possible	2 Small	6	Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. Inspection to be conducted prior to gates of site open by PBS Site Manager to assess all access routes. Work areas to be monitored by contractor management and work to cease if conditions are deemed unsuitable.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SS / SM / HSR	Open	WHS Act 2011, WHS Regulations 2011 Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Managing the work environment and facilities COP
All Trades / Common Activity			Environmental damage from spills and cleaning tools	C Possible	1 Very Small	3	All trowels, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
All Trades / Common Activity			Sunburn	C Possible	2 Small	6	Short sleeve shirts can be worn onsite. PBS to provide sunscreen stations attached to the nurse calls located onsite. Sunscreen to be worn. Broad brims on hard hats encouraged. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

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All Trades / Common Activity	<i>Is carried out on or near energised electrical installations or services Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near chemical, fuel or refrigerant lines;</i>		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All in-ground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
All Trades / Common Activity			Noise and vibration	C Possible	2 Small	6	When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			Contact with Hazardous Chemicals or Dangerous Goods	B Likely	2 Small	8	SDS Controls need to be communicated to All workers that are to use and Haz product. The correct PPE is to be worn while completing the task. Chemicals to be correctly labelled and kept in secure storage location on-site.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity	<i>Is carried out on or near energised electrical installations or services Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near chemical, fuel or refrigerant lines;</i>		contact with live services in walls / ceilings / Basements	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
All Trades / Common Activity	<i>Involves, or is likely to involve, the disturbance of asbestos Carried out in an area that may have a contaminated atmosphere</i>		Unexpected finds	D Unlikely	4 Large	8	PBS site specific Unexpected finds protocol to be followed	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.

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All Trades / Common Activity			Fire and explosion when soldering pipes.	C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			burns/ flash burn from welding	C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Test n tag of welder. Competent person to use welder. Fire fighting equipment to be in date and in the vicinity of the hot works. Welding Screens required if in trafficable areas. Correct PPE to be worn during the activity.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			Inhalation of gasses and fumes from welding	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			Falls of Persons from Truck	C Possible	3 Medium	9	Mobile handrail system to be in place if person needs to access the trailer. Reo should come pre-slung in secured bundles.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .

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All Trades / Common Activity			Fire and explosion, Burns - using a grinder to Steel	C Possible	3 Medium	9	Hot works permit valid for activity . Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. Correct PPE must be worn including a face shield and correct gloves. No cotton clothing to be worn during cutting activities as they are highly flammable.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
All Trades / Common Activity			Environmental Contamination from Spill of Hazardous Chemicals/Substances	E Rare	3 Medium	3	Contractor to provide, and have readily available access to, a spill kit which is appropriately sized for the risk of spill when refuelling or if damage was to occur to a piece of plant and equipment. Workers must be trained in the use of spill kits and the SDS's for chemicals/substances that they are using on this project.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Managing risks of hazardous chemicals in the workplace COP
Asbestos Removal	<i>Involves, or is likely to involve, the disturbance of asbestos</i> <i>Carried out in an area that may have a contaminated atmosphere</i>		Exposure to Hazardous Dust	A Almost Certain	4 Large	20	Asbestos Register for relevant building to be requested from Client. Asbestos Removal Control Plan to be in place. Workers and Subcontractor must hold the correct class of licence for the type of asbestos identified to be removed (i.e. over 10m2). Health Monitoring to be done for all workers involved in the task prior to works commencing. Physical barriers to be set up around asbestos removal area with signage. Correct PPE to be worn. Enter Restricted Areas work permit to be issued. HR SWMS to outline methodology for controlling all asbestos dust and loose particles Hold Point - Clearance Certificate to be received prior to any other works occurring. Surveillance air monitoring to be done by competent person and results to be entered into monitor register. Asbestos Sub Plan to be developed to outline further controls. Notify Regulator in writing at least 5 days before commencing activity if over the 10m2 or friable.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, How to safely remove asbestos COP
Asbestos Removal	<i>Involves, or is likely to involve, the disturbance of asbestos</i> <i>Carried out in an area that may have a contaminated atmosphere</i>		PPE, Tools and Waste Contamination	B Likely	3 Medium	12	Waste to be sealed in a container and labelled in accordance with the Globally Harmonised System of Classification and labelling to indicate it contains asbestos. Waste must be brought to an Licenced waste disposal facility which accepts asbestos waste. PBS to be given evidence of correct disposal at facility (i.e Tipping Dockets) PPE and Tools must be sealed in containers / double bagged or appropriately decontaminated within the asbestos removal area.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Labelling of workplace hazardous chemicals COP, How to safely remove asbestos COP
Asbestos Removal	<i>Involves, or is likely to involve, the disturbance of asbestos</i> <i>Carried out in an area that may have a contaminated atmosphere</i>		Unexpected Find	D Unlikely	3 Medium	6	PBS Unexpected Finds protocol to be followed. Contractor to include unexpected finds protocol in their HR SWMS. Asbestos Register to be updated to include unexpected finding.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide
Demolition	<i>Demoliton of an element of a structure that is load-bearing or otherwise realed to the physical integrity of the structure</i>		Works affect neighbouring structures	C Possible	3 Medium	9	Dilapidation survey to be undertaken by consultant. Prior to works starting, Vibration Monitoring to be in place. Noise monitoring to be in place. Letter box drop to occur in neighbouring properties that might be affected by works. Stakeholder Communication Sub Plan to be in place. Noise Management Sub Plan to be in Place.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide
Demolition	<i>Demoliton of an element of a structure that is load-bearing or otherwise realed to the physical integrity of the structure</i>		Uncontrolled Collapse of Structure	C Possible	3 Medium	9	Demolition Plan to be developed outlining sequence of demolition. Where applicable, any structural engineers sign-offs needs to be obtained. Physical Barriers to be in place as an exclusion zone to prevent unauthorised access. "Demolition in progress" signage to be installed. Only licenced contractors to perform works. If structure is over 6m in height then PBS to notify Regulator in writing at least 5 days before commencing works.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Demolition Work COP,

PBS Project Risk Register

PBS Project Risk Register (PRR)



PBS Project Risk Register						Acronym	Responsible Positions	Hierarchy of Control		Control Selections		%Controls ≥ Engineering: 76% %Controls < Engineering: 24% Delete Legislation / Codes not applicable to your jurisdiction
						SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	76%	
						SM	Site Manager	5. Substitution	0	%Controls < Engineering	24%	
						FM	Foreman	4. Isolation	9			
						CA	Contracts Administrator	3. Engineering	17	%Check formulas in L2-L7 if you add rows to ensure range is correct		
						EHSQ	EHSQ Co-Ordinator	2. Administration	8			
						PE/SE	Project Engineer / Site Engineer	1.PPE	3			
Workplace Location:	35 Doonan Rd Nambour											
Issue Number:	1											
Issue Date:	7/10/2021											
Activity Description	High Risk Construction Work	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Demolition			Potential for building to have Hazardous materials	E Rare	2 Small	2	Delapidation survey to be conducted before demolition is to commence. All findings to have controls if Haz materials are to be found inside building.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, , Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Electrical	<i>Is carried out on or near energised electrical installations or services</i>		electrocution from commissioning works	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible.Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, All contractors shall produce HRSWMS , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times.All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify thier licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Electrical	<i>Is carried out on or near energised electrical installations or services</i>		electrocution from commissioning works - Temp Boards	B Likely	5 Very Large	20	Install RCD protected temporary boards at each level in nominated location being hard wired with 4mm cable (i.e no spider / wander boards allowed). Temporary boards must be physically secured to prevent overturn of board and front covers must be lockable. Temporary boards must have locked covers over circuit - breakers and RCDs associated with outgoing circuits apart from the main switch/isolating switch which must be readily accessible in the event of an emergency. Temp Boards must have signage installed on the front cover.Lock out/Tag out system to be used when isolation of electrical feed required. Isolation / Energisation Permit to be issued. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of leads 3 monthly and a Qualified person must test RCD's monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Each Temporary Board & all construction wiring installations must have a completed copy of ACT CES/ NSW CCEW / QLD CTC provided to PBS following each energisation. Electrical apprentices and trade assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out as per manufacturers instructions. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock (in the event of inadvertent energisation). RCD Trip Times to be recorded monthly on a register. HR SWMS to include emergency procedure.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Mechanical (Air-con)			Failure of duct hoist	D Unlikely	3 Medium	6	All duct lifters and portable type hoists must have a failsafe system so that in the event of a hoisting wire failure the load cannot fall. In addition, outriggers where fitted must be used, SWL must be clearly marked & only propriety attachments are used and only in accordance with manufacturers instructions.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

PBS Project Risk Register

PBS Project Risk Register (PRR)



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						SM	Site Manager	5. Substitution	0	%Controls < Engineering	24%	
						FM	Foreman	4. Isolation	9			
						CA	Contracts Administrator	3. Engineering	17	Check formulas in L2-L7 if you add rows to ensure range is correct		
						EHSQ	EHSQ Co-Ordinator	2. Administration	8			
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Mechanical (Air-con)	<i>Is carried out on or near energised electrical installations or services</i>		electrocution from commissioning works	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible. All contractors shall produce HRSWMS , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify thier licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Perimeter Screens	<i>Risk of Person Falling more than 2m</i>		Fall of Person	A Almost Certain	4 Large	20	Install handrails & mesh prior to lifting screens. Documented emergency procedure for retrieval of injured workers to be included in HR SWMS. Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Safe Design of Structures COP