

PLANT RISK ASSESSMENT CHECKLIST (TEMPLATE)

SS-WHS-SAF-000

Authorised By:
Rev 1 29/09/2023



EQUIPMENT NUMBER			
EQUIPMENT DESCRIPTION			
MAKE AND MODEL			
ASSESSOR		DATE	

ENTANGLEMENT

Can a person's hair, clothing, gloves, necktie, jewellery, cleaning brush or rag become entangled with moving parts of the plant?	YES / NO
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CRUSHING

Can anyone be crushed due to:	
• material falling off the plant?	YES / NO
• uncontrolled or unexpected movement of the plant?	YES / NO
• lack of capacity for the plant to be slowed, stopped or immobilised?	YES / NO
• the plant tipping or rolling over?	YES / NO
• parts of the plant collapsing?	YES / NO
• coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	YES / NO
• being thrown off or under plant?	YES / NO
• being trapped between the plant and materials or fixed structures?	YES / NO
• other factors not mentioned?	YES / NO

CUTTING, STABBING OR PUNCTURING

Can anyone be stabbed or punctured due to:	
• coming in contact with sharp or flying objects?	YES / NO
• coming in contact with moving parts during testing, inspection, operation, maintenance, cleaning or repair?	YES / NO
• the plant, parts of the plant or work pieces disintegrating?	YES / NO
• work pieces being ejected?	YES / NO
• the mobility of the plant?	YES / NO
• uncontrolled or unexpected movement of the plant?	YES / NO
• other factors not mentioned?	YES / NO

SHEARING

Can anyone's body parts be sheared between two parts of the plant, or between a part of the plant and a work piece or structure?	YES / NO
Can anyone be struck by moving objects due to:	
• uncontrolled or unexpected movement of the plant or material handled by the plant?	YES / NO
• the plant, parts of the plant or work pieces disintegrating?	YES / NO
• work pieces being ejected?	YES / NO
• mobility of the plant?	YES / NO
• other factors not mentioned?	YES / NO

HIGH PRESSURE FLUID

Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant?	YES / NO
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ELECTRICAL

Can anyone be injured by electrical shock or burnt due to:	
• the plant contacting live electrical conductors?	YES / NO
• the plant working in close proximity to electrical conductors?	YES / NO
• overload of electrical circuits?	YES / NO
• damaged or poorly maintained electrical leads and cables?	YES / NO

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• damaged electrical switches?	YES / NO
• water near electrical equipment?	YES / NO
• lack of isolation procedures?	YES / NO
• other factors not mentioned?	YES / NO

EXPLOSION

Can anyone be injured by explosion of gases, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?	YES / NO
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SLIPPING, TRIPPING AND FALLING

Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to:	
• uneven or slippery work surfaces?	YES / NO
• poor housekeeping (e.g., offcuts, cables, hoses obstructing walkways, spills not cleaned up)?	YES / NO
• obstacles being placed in the vicinity of the plant?	YES / NO
• other factors not mentioned?	YES / NO
Can anyone fall from a height due to:	
• lack of a proper work platform?	YES / NO
• lack of proper stairs or ladders?	YES / NO
• lack of guardrails or other suitable edge protection?	YES / NO
• unprotected holes, penetrations or gaps?	YES / NO
• poor floor or walking surfaces, such as the lack of a slip-resistant surface?	YES / NO
• steep walking surfaces?	YES / NO
• collapse of the supporting structure?	YES / NO
• other factors not mentioned?	YES / NO

ERGONOMIC

Can anyone be injured due to:	
• poorly designed seating?	YES / NO
• poorly designed operator controls?	YES / NO
• high forces?	YES / NO
• awkward body posture or the need for excessive effort?	YES / NO
• repetitive movements?	YES / NO
• vibration?	YES / NO
• other factors not mentioned?	YES / NO

COMBINATION OF HAZARDS

Can anyone be injured due to unexpected start-up, unexpected over-run / over-speed (or similar malfunction) from:	
• failure/disorder of the control system, for example a hydraulic system?	YES / NO
• restoration of energy supply after an interruption?	YES / NO
• external influences on electrical equipment?	YES / NO
• other environmental factors (gravity, wind, etc.)?	YES / NO
• errors in the software?	YES / NO
• errors made by the operator?	YES / NO

OTHER HAZARDS

Can anyone be injured due to:	
• noise?	YES / NO
• inadequate or poorly placed lighting?	YES / NO
• entry into any confined spaces of the plant?	YES / NO
• failure to select plant that is suitable for its intended use?	YES / NO
• contact with hot or cold parts of plant?	YES / NO
• exposure to hazardous chemicals, radiation or other emissions released by the plant?	YES / NO
• lack of operator competency?	YES / NO

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• restricted vision due to seating position?	YES / NO
• other factors not mentioned?	YES / NO

CORRECTIVE ACTIONS OR OTHER CONSIDERATIONS

List corrective actions or other considerations here:

ASSESSOR NAME AND SIGN