

APPENDIX B (Page 1 of 2)

PLANT/EQUIPMENT "RISK ASSESSMENT" DECISION TOOL

START Is the item powered by fuel, Call the Is the item a No Is the item No No Is the item No Is the item No HERE vehicle? manually solar energy, hydraulics, defined as powered by Local HSW Team \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow (Including boats. compressed gas electricity of \rightarrow powered? pressure (including air) or trailers and 50V or more? This item may need equipment? electricity less than special consideration agricultural equipment) 50V? \downarrow \downarrow Yes Yes Yes \mathbf{V} Yes Yes Does the item produce a hazardous Manage in Does the item have Is the item in a level of heat or other radiation, or have accordance with or introduce any Yes laboratory, workshop, or any powered moving parts that could AS/NZS1200, AS field environment? additional hazards? \rightarrow present a hazard? 1210 and AS4343. See Part 2: Hazard ID The local HSW prompts for additional guidance team can assist with this process as required. ↓ Yes \downarrow Yes 🗸 No No No \downarrow \mathbf{V} Risk Assess the task or **Risk Assess** No Risk **Risk assess** No Risk Electrical testing **Risk Assess the** vehicle only if: only where there is the task may be required plant and/or the assessment Assessment 1. The vehicle is used a reasonably or testing or plant required. (refer to Electrical Safety task. foreseeable risk of required. Management Handbook This will depend remotely injury, or incidents This may be Electric testing Chapter) on the task. 2. The vehicle is used have dependant on may be required in a way other than demonstrated the the task refer to **Risk Assess the plant if** the manufacturer potential for injury. used in a way or intended **Electrical Safety** environment other than The driving 3. Management the manufacturer conditions or Handbook intended and presents environment pose a Chapter an additional hazard. foreseeable risk. В С Е D F G Α

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PART 1



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Part 2: Hazard Identification prompts (to assist with your risk assessment, where required by part 1)

Can the plant/equipment cause:

- entanglement of hair, clothing, gloves, jewellery, brushes, rags or other materials in moving parts?
- crush or impact injuries from parts due to unexpected failure and/or ejection of plant/equipment or material?
- injury by uncontrolled or unexpected movement?
- injury by cutting, puncturing, shearing, trapping, abrading or tearing?
- injury by electrocution, burn (by heat, steam, flame), explosion, leak of a high pressure substance (hydraulic fluid and air) toxic substances or radiation?
- high falls, suffocation, noise, vibration and contact with overhead or underground power lines?
- the exposure to dust from silica and silica containing products (e.g. during sawing, grinding, cutting, crushing rock, concrete, brick, block and mortar sand)?

Are:

- Workers unable to access the plant/equipment without risk of slip, trip or fall?
- Paths of access and egress less than 600mm?
- Hazards foreseeable if the controls and/or power are able to be switched on or off accidentally when in use (e.g. where the switch is not shrouded)?
- Guards inadequate for the type of plant/equipment and the work being undertaken?

Work environment hazards

- Does the plant/equipment create hazardous conditions due to harmful emissions (e.g. fluids, gas under pressure, vapour, fumes, noise etc)?
- Is any discharge of hazardous chemicals contained?
- Does the area which the plant/equipment is being placed have any weight restrictions (refer to Infrastructure Branch)?

Hazards with plant/equipment used for lifting people or materials

(Note all lifting equipment must have current certification for the weight being lifted and you must not lift loads above that certified/rated capacity).

- Is plant/equipment used for lifting people or hazardous materials?
- Are loads inadequately protected if they are required to be suspended over people or property?
- Has all required maintenance and servicing been conducted?

With plant/equipment in operating position:

• Are there any other foreseeable hazards that may occur during the operation of the plant/equipment (e.g. electricity/water, surface, hazardous chemicals, security and/or dust)?

Part 3: Plant/equipment Categories

A. Vehicles. (e.g. boat, trailer, agricultural equipment, all-terrain vehicles/ATV)

B. Manually-powered. (e.g. simple hand tools, bench vice, hand winch)

C. Battery, hydraulic, solar, compressed gas/air or fuel-powered **portable** or **movable** items with no additional hazards. (e.g. portable radio, cordless screwdriver)

D. Battery, hydraulic, solar, compressed gas/air or fuel-powered **portable** or **movable** items with additional hazards. (e.g. some cordless power tools, gas burner/soldering iron, air tools)

E. Mains-power electrical items with no additional hazards, used as the manufacturer intended. (e.g. computer, photocopier, printer, refrigerator - including refrigerators purpose-designed for flammables)

F. Mains-powered office-based electrical items with additional hazards. (e.g. heater, kettle, microwave oven)

G. Mains-powered **fixed**, **portable** or **movable** lab, workshop and field equipment that may present additional hazards. (e.g. circular saw, heater-stirrer, lathe)

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