IS THE ITEM A VEHICLE? (including boats, trailers and agricultural equipment)?

1. No

IS THE PLANT/EQUIPMENT MANUALLY-POWERED?

2. Yes

3. No

IS THE ITEM DEFINED AS PRESSURE EQUIPMENT?

4. Yes

5. No

IS THE ITEM POWERED BY:

6. Yes

a. fuel, solar energy, hydraulics, compressed gas (including air) or electricity less than 50V?

7. No

b. ELECTRICITY OF 50V OR MORE?

8. Yes

9. No

Does the item have, or introduce, any additional hazards?

10. Yes

11. No

The HSW Team can assist with this process.

Does the item produce a hazardous level of heat or other radiation, or has any powered moving parts that could present a hazard?

12. Yes

13. No

Is the item in a laboratory, workshop, or field environment?

14. Yes

15. No

See Part 2: Hazard ID Prompts, for additional guidance as required.

RISK ASSESSMENT OR TESTING REQUIRED

16. A

RISK ASSESS ONLY:

17. B

1. Where there is a reasonably foreseeable risk of injury, or

2. Where incidents have demonstrated the potential for injury

NO RISK ASSESSMENT OR TESTING REQUIRED

18. C

RISK ASSESS THE TASK OR THE VEHICLE

19. D

1. Where there is a reasonably foreseeable risk of injury, or

2. Where incidents have demonstrated the potential for injury

RISK ASSESS THE TASK OR THE PLANT - this may be dependent on the task.

20. E

1. ELECTRICAL TEST

2. RISK ASSESS the plant if it is used in a way or environment other than the manufacturer intended, and presents an additional hazard

RISK ASSESS THE PLANT AND/OR THE TASK - this will depend on the task.

21. F

RISK ASSESS THE TASK OR VEHICLE ONLY IF:

22. G

1. The vehicle is used remotely

2. The vehicle is used in a way other than the manufacturer intended

3. The driving conditions or environment pose a foreseeable risk

OUTCOMES

23. A

24. B

25. C

26. D

27. E

28. F

29. G
PLANT/EQUIPMENT DECISION TREE

Part 2: Hazard Identification prompts

Can the plant/equipment:

- Entangle hair clothing, gloves, jewellery, brushes, rags or other materials in moving parts?
- Cause crush or impact injuries from parts due to unexpected failure and/or ejection of plant or material?
- Cause injury by uncontrolled or unexpected movement?
- Cut, puncture, or shear?
- Electrocute, burn (by heat, steam, flame), explode, leak high pressure substances (hydraulic fluid and air) or contain toxic substances or radiation?
- Cause high falls, suffocation, noise, vibration and contact with overhead or underground power lines?

Are:

- 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 adequate for the type of plant and the work being undertaken?

Work environment hazards

- Does the plant’s introduction impact on the work environment by vapour, fumes, noise etc?
- Is any discharge of hazardous substances contained?

Hazards with plant used for lifting people or materials

(Please 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 used for lifting people or hazardous materials?
- Are loads adequately protected if they are required to be suspended over people or property?

With plant in operating position:

- Are there any other foreseeable hazards that may occur during the operation of the plant (e.g. electricity/water, surface, hazardous chemicals, security and/or dust)?
Part 3: Plant Categories

A. Vehicles. (e.g. boat, trailer, agricultural equipment, 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)

Definitions

- **Portable**: an appliance which is hand-held while in operation or can be moved easily while connected to the supply. Examples: floor polisher, vacuum cleaner, power tools (portable drill, grinder, soldering iron), power lead, multi-outlet power board, jug, toaster, laboratory stirrer/heater, heat gun, heating mantle, etc.
- **Movable**: an appliance that can be moved readily from one place to another by unplugging from a general purpose outlet, but that is not moved during operation. Examples: cathode ray oscilloscope, electronic balance, personal computer, printer, portable power generating equipment, etc.
- **Fixed/Stationary**: an appliance which in normal use is fastened to a support or otherwise secured in a specific position or is of such a size or function as to be difficult or unlikely to be moved from one place to another. Examples: large workshop machinery (lathe, band saw, etc.), oven, refrigerator, fixed power generating equipment, etc.