|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Site / Area:** | |  | | **Date of assessment:** |  | **Risk Assessment #:** | **034RA** |
| **Completed by (name):** | |  | | **Signature:** |  | | |
| **In Consultation with** | |  | | **Signature:** |  | | |
| **Identify / describe activity, equipment, area or event you are assessing:** | | | | | **AMUSEMENT STRUCTURES (INCLUDING INFLATABLES OVER THREE (3) METRES)** | | |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** | | | | | | | |
| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer Risk Assessment Guideline (015G) | | **Step 2: Assess the risks:**  What do you believe are the risks?  (Refer *Risk Assessment Guideline (015G)* | | **Step 3: Reducing the risk:** What do you believe can be done to reduce the risk? (Refer *Risk Assessment Guideline (015G)* | | |
| **What could cause harm?** | | **What could go wrong?** | | **Controls** | | |
| **Machinery & Equipment**   * Parts being ejected * Parts disintegrating * Rotating shafts, pullies, chains, sprockets and gears of machine * Lack of maintenance * Caught in moving part * Sharp edges * Noisy equipment * Failure to select plant that is suitable for the intended use * Fire | | * Hit by moving parts * Plant collapsing * Contact with hot / cold parts * Crushing, pinching, trapping, entanglement * Slip, trip, fall * Dislocations   Bburns | | Obtain copy of SafeWork SA registration certificate; This is NOT required for inflatable amusement devices with a platform below three (3) metres.  Current certificate of inspection issued by a professional engineer and qualified electrician; and certificate of currency for insurances from contractor. Interstate registrations are to be checked with SafeWork SA prior to use.  ON DAY OF EVENT, CHECK FOLLOWING:   * Visual inspection of amusement structure to ensure Registration number is displayed * Sight daily inspection document before ride commences * Check location of amusement structure to ensure no overhanging branches, no overhead power-lines and adequate clearance from other rides * Not set up on sloping grounds * Check for appropriate drown control e.g. fencing and adequate space surrounding the ride and signage for parents information * Contractor has trained personnel operating and supervising the ride at all times (must be over 18 years of age) * Emergency plan has been established and communicated to all parties * Check at the end of this risk assessment for further information on types of amusement devices that need to be registered | | |
| **Machinery & Equipment - Inflatable devices**   * Uncontrolled or release of compressed air * Caught in moving part * Electricity * Noisy equipment * fire | | * Hit by moving parts * Plant collapsing * Crushing, entanglement, pinching, trapping * Lacerations * Slip, trip, fall * Burns | | ON DAY OF EVENT, CHECK FOLLOWING:   * Check the inflatable structure and accessories to ensure all anchor points, ropes and stakes or ballast are undamaged and fit for continual use (do in consultation with ride operator) * Check all tie down ropes attached to the device are fastened to adequate anchorages and there is adequate soft-fall area * Sight daily inspection document before ride commences * Check location of amusement structure to ensure no overhanging branches and adequate clearance from other rides * Check appropriate crowd control i.e. fencing and adequate space surrounding ride and signage for parents information * Contractor has trained personnel operating and supervising the ride at all times (must be over 18 years of age) * Refer to WHS Regulatory Requirements below * Fire extinguisher is available on the amusement structure | | |
| **Electricity**   * Damaged cords * Frayed cords * Faulty appliances * Overheating of equipment * Damaged powerboards * Cutting cords * Overloading power sockets | | * Burns * Fire * Explosion * Contact with exposed wires * Electrocution * Electric shock | | * Portable RCD’s are used where required * Adequate protection of the public from electric shock and any trip hazards from cords are minimised * All leads, plugs etc. are protected from weather and other environmental conditions * Plant is tested & tagged | | |
| **Extreme Temperatures**   * Extreme heat / cold * Severe storms – lightening, thunder, rain, floods | | * Inflatable could be lifted up throwing children off * Injury if amusement device cannot operate correctly in windy conditions * Fires * Struck by lightening | | * Operator monitors prevailing wind conditions * Event organisers have inclement weather policy implemented for operation of rides during wet / windy weather | | |
| **Manual Tasks**   * High or sudden force * Pushing * Pulling * Repetitive movement | | * Strains, sprains * Dislocation * Incorrect lifting * Equipment not maintained | | * Mechanical equipment available – trolley’s / sack truck * Team lifting * Manual handling training for all workers | | |
| **Other**   * Supervision | | * Incorrect use of ride. * Underage/undersized children. | | * Amusement operators must display appropriate signage and enforce requirements * Amusement operators must supervise and cannot delegate responsibility | | |
| **Other**   * Access / Egress – easily accessible in the event of an emergency | | * People could panic and become distressed | | * Entry and exit routes / areas are clearly well defined and marked | | |
| **Other** | |  | |  | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Authorised by:** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

**WHS Regulatory Requirements**

**Under 3m platform height:**

No longer require item registration. *Refer Schedule 5 – Part 2 -4 – Exceptions (2)(e)*

No longer require design registration *Refer Schedule 5 – Part 2 -4 – Exceptions (2)(e)*

No longer require a professional engineer to conduct the annual inspection – it is not a competent person. *Refer Reg. 241 (5) (a)*

**Between 3m and 9m platform height:**

No longer require a professional engineer to conduct the annual inspection – it is now a competent person. *Refer Reg. 241 (5) (a)*

Still require design registration (except Class 1)

Still require item registration (except Class 1)

**Over 9m platform height:**

Still require annual inspection by professional engineer. *Refer Reg. 241 (5) (b)*

Still require design registration. *Refer Schedule 5 Part 1 -2 – Exceptions (2) (e)*

Still require item registration. *Refer Schedule 5 Part 2-4 – Exceptions (2) (e)*

In all cases listed above – owners are still required to ensure the log book is maintained.

**The following list provides guidance on the types of amusement devices that require registration and those that do not:**

Registrable amusement devices:

•most mechanical and manual powered mechanical devices

•most jumping castles, horizontal bungy and other continuously blown inflatables

•climbing walls, trampolines, giant slides

•go-karts

•high ropes courses, flying foxes, bridge swinging, and bungy jumping

•miniature trains not owned and operated by a model railway society, club or association.

Not registrable amusement devices:

•playground devices

•fixed mazes (structures rather than plant)

•water slides, wave generators

•sealed inflatables and those without a non-return valve

•forms of transport regulated under another Act such as watercraft, aircraft and motor vehicles

•a boat or floatation device solely propelled by the person in or on the device and not attached to equipment outside the device or relying on artificial flow of water to move

•sport, professional stunt, theatrical or acrobatic equipment

•miniature trains owned and operated by a model railway society, club or association, coin operated devices.

If your device is not covered by the list of amusement devices that do not require design or item registration it is best to seek advice from the local WHS regulator before treating it as not registrable. You must not all the use of any registrable amusement device if it has not been registered.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step 4: Monitor & review:**  (Refer to hazard sheet)  **Please tick Yes or No** | | | | | | | | |
| **Were the controls effective?** | | | | **Were there any unforeseen hazards/ incidents?** | | | | **New controls** |
| **Yes** |  | **No** |  | **Yes** |  | **No** |  |
| **DETAILS** | | | | **DETAILS** | | | | **DETAILS** |
|  | | | |  | | | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name:** |  | **Signature:** |  | **Date:** |  |