

2014 – 15 Circus Royale Event Risk Assessment

Likelihood	Category	Description	Consequence	Category	Description
Almost Certain	A	expected to occur in most circumstances	Catastrophic	5	Death, huge financial loss
Likely	B	probably occur in most circumstances	Major	4	Major financial loss, need resources
Possible	C	should occur at some time	Moderate	3	Medical treatment, manageable changes
Unlikely	D	could occur at some time	Minor	2	First aid treatment, medium \$ loss
Rare	E	may occur only in exceptional circumstances	Insignificant	1	No injuries, no financial loss

Likelihood	Consequence	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
A Almost Certain	Moderate	High	High	High	Extreme	Extreme
B Likely	Moderate	Moderate	High	High	High	Extreme
C Possible	Low	Moderate	High	High	High	High
D Unlikely	Low	Low	Moderate	Moderate	Moderate	High
E Rare	Low	Low	Moderate	Moderate	Moderate	High

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Event:	Circus Royale Classic Circus Show in Big Top tent		Dates 2014 – 2015
2014 Version 7	Review: November 2015		
<ul style="list-style-type: none"> • Extreme risk = immediate action required • High risk = attention needed to develop risk reduction strategies • Moderate risk = specific risk reduction strategies needed • Low risk = manage using existing controls 			
ALARP = risks will be treated to ensure they are "As Low As Reasonably Practical" or in the "Broadly Acceptable" areas			

Generally Intolerable

ALARP /
Tolerable

Broadly
Acceptable

Hazard	Risks	Existing Risk Controls	Likelihood	Consequence	Risk rating	Additional treatment	Risk rating	Responsible to Supervise / Monitor
24 / 7 event location risks	Numerous.	No Induction = no work. Ready access to drinking water. Wet weather & safety gear, hat, sunglasses, sun screen. Staff access to on staff nurse.	C	2	Mod	Crew debrief following each build up.	Alarp	Circus owner Safety Committee
Erection of event as per layout plan	Numerous.	Secured as restricted entry construction site. Licensed erector of temporary structures supervising. Vigilant trained staff. Follow manufacturer's instructions. Established work methods. Erection and dismantling under experienced supervision. No work is carried out whilst members of the public are in the vicinity.	D Unlikely	2 Minor	Low	Correct sized tools. Components handling focus.	Alarp	Circus owner
Transport loading and unloading / manual handling	Crushing injuries, finger jams. Manual handling injury.	Personal protective equipment worn. Vehicles and forklift fitted with reversing alarms. Forklift moving alert light. Manual handling minimised.	C Possible	2 Minor	Moderate	Spotter used to signal driver all vehicle moves.	Alarp	Circus owner Tent boss Transport manager
Rigging trusses and main masts	Fall from truss, rigging failure, trip hazards. Machinery malfunction.	Weather conditions factored into pegging and roping. Keep clear of electrical wires. Work at ground level where possible. Constant supervision, housekeeping, use of controlled procedures and manufacturer's instructions. Safety area enforced by riggers. Observer used no exceptions.	D Unlikely	2 Minor	low	Never conduct rigging work at height alone.	Alarp	Tent boss Supervisor temporary structure erection
Big Top tent collapse	Extreme weather. Deliberate interference.	Winds exceed engineer recommendations = shows cancelled .Pre show sign off sheets. Crime prevention policy and vigilant trained staff.	E	3	Mod	Bad weather evacuation rehearsals.	Mod	Circus owner Tent boss
Seating platform collapse	Change in ground condition / Deliberate interference.	Structural assessment considers Dynamic loading. Pre show sign off sheets. Crime prevention policy. Vigilant staff.	E Rare	4 Major	Moderate	Ushers to enforce no stomping.	Mod	Tent boss
Structural damage to Big Top tent	Wind damage. Deliberate interference.	Regular monitoring, use of sign off sheets each build up, & prior to each show. Crime prevention policy. Vigilant staff.	E	2	Low	Bad weather evacuation rehearsals.	Alarp	Tent boss
Failure of technology/ Communications failure	Loss of technology /communications from external incident.	Defects progressively being rectified. Use of mobile phones by owner. Manual processing of credit cards in booking office. Battery megaphone at lighting control. Grid map detailing full show layout.	D Unlikely	2 Minor	Low	Established emergency callout procedures.	Alarp	Circus owner

Fire	Fire from any source including electrical.	Fire extinguishers CO2 / water/ chemical \$ blankets are in appropriate areas, tested and tagged. Smoke detectors installed. Staff trained in extinguisher use.	D	2	Low	Annual staff training.	Alarp	Circus owner Maintainance manager
Breach of event security	Break and enter and theft.	All event equipment, mobile offices and or staff accommodation located behind security fencing when possible. Afterhours access monitored.	D	2	Low	Closing gates after hours.	Alarp	Circus owner
Power failure/ Loss of supply	Generating equipment failure or fire, no fuel.	Emergency lighting system installed. Rehearsed evacuation procedures. 3 rd backup generator on site.	D	2	Low		Alarp	Circus owner Maintainance manager
Electric shock	Power leads & electric shock.	Ensure all equipment tested and tagged 6 monthly to AS/NZS 3000 Electrical Installations and AS3533 – Amusement Rides and Devices. All cables out of public access areas. No cable trip hazards. Residual circuit devices used.	D	3	Mod	Report and repair wires. Sign off sheet prior to each show.	Alarp	Circus owner Test & Tag guy
Medical incident or artiste accident	Pain, existing medical condition. Injury to patron within event area.	First aid kits x 2. Registered nurse located inside Big Top tent. First aid policy. Staff trained in basic emergency procedures. Daily inspections and sign off lists to minimise risks.	C	3	High	Visual inspection all props during build up.	High	Circus owner Ushers
Amenities	Numerous.	Provision of flushing toilets and hand washing facilities including paper and soap. Disability toilet on site. Clean fresh water available. Formal food plan.	D	2	Low		Alarp	Circus owner Cleaning crew Catering
Armed hold-up	Armed hold up any or all cash holding areas.	Duress alarm within Big Top tent. Code words to alert staff. Event security procedures. Regular cash pickups.	D	2	Min	Staff training	Low	Circus owner Ushers
Civil disorder / staff + personnel security	Hostile public, paying patron or fellow staff member. Protest group.	Emergency Procedures established and rehearsed. Multiple communication methods. Ensure protesters remain outside area leased by circus owner. Notify Police.	D	2	Min	Assign extra staff to security roles and roster for each show.	Low	Circus owner All staff
Vandalism	Numerous.	Security patrols of equipment and transport units and event area. Circus owner and staff living on site. Consider location when leaving equip unattended.	C	2	Min		Low	Circus owner Transport manager Ushers
Severe weather	Flying debris injuries.	Forecasts monitored www.bom.gov.au Weather conditions planned for. Equip & signs secured for windy conditions, non slip mats for wet conditions, water provisions for heat. Tent crew on site.	C	3	Mod		High	Circus owner Registered nurse
Access and egress of patrons	Vehicle accidents, traffic jams, public buses /train late. Anxiety, frustration.	Established traffic management plan. Designated access routes kept clear. Gates unlocked and clear. Staff trained and evacuations rehearsed.	D	2	Minor	Traffic controllers to assist. Sign off sheets re clear access.	Low	Circus owner Ushers Traffic controllers
Slip, trip,fall and knock	Bodily injury to patron.	Trip & fall hazards identified, treated and removed. Rubber matts over on ground cables. Edges highlighted fluro paint. Slippery surfaces isolated.	C	2	Minor	Usher training in recognising & prevention.	Alarp	Circus owner Ushers Tent crew
Lost child missing person	Trauma to those directly involved.	Lost children policy and procedure established. Lost child checkpoint established. Staff never alone with lost child.	E	2	Low	Further staff training.	Alarp	Circus owner Safety committee
Aural trauma	Aural trauma induced by volume spikes.	Ensure all electronic equipment is regularly cleaned and maintained Ensure speakers, monitors, and headphones are used at appropriate levels. Regular testing of sound levels in temporary structure.	D	3	Mod	Staff training in correct use.	Moderate	Circus owner Sound operator
Intoxicating substances	Disruption of show /Discarded sharps spikes.	Restricted entry, persons and liquor. High quality non-alcoholic drinks prominently displayed and sold in circus shops.	C	2	Mod	Ushers trained and vigilant.	Alarp	Circus owner Ushers
Needle spike injury.	Physical & psychological trauma patrons, contractors and full circus team.	Pre show inspection of Big Top tent and all access and egress routes. Sharps kit and containers on site. Staff trained in correct use. Legal ramifications explained to all ushers and crew.	C	2	Mod	Circus owner to inspect all areas prior to each show.	Moderate	Circus owner Ushers
Amusement rides & inflatable	Physical injury and or trauma.	40 km hour winds = stop use. Amusements are registered with certificates of inspection. Suitable ground surface, adequate space, erected & anchored as manufacturer instructs. Staff in uniforms. Never to be used in adverse weather. Permanently staffed when operational. Sign off sheets.	D	2	Low	Soft fall area for inflatable. Appropriate fencing used.	Alarp	Circus owner Operators Crew

Smoke machines	Throat irritation, inhalation of mist, reduced visibility, slippery residue, burns.	Non hazardous water based fluid used. Material data sheet on file. Trained operator. Machine does not face seating areas. Machines have guard to prevent operator making contact with hot surfaces. Non slip matting under machines.	D	2	LOW	Prior to show start, public alerted to use of foggers.	Alarm	Circus owner Fogger operator
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