

# RISK MANAGEMENT ASSESSMENT - LORITZ CIRCUS

## METHODOLOGY

This Risk Assessment has been performed as outlined in Australian Standard AS/NZS ISO 31000:2009 with reference to tables 1, 2 and 3 below, for the use of leased land for the purposes of performing circus acts under a "Big Top" tent.

## RISK TABLES

**TABLE 1 - QUALITATIVE MEASURES OF "CONSEQUENCE" OR IMPACT**

LEVEL	DESCRIPTOR	EXAMPLE OF DESCRIPTION
<b>1</b>	<b><i>Insignificant</i></b>	No injuries, low financial loss
<b>2</b>	<b><i>Minor</i></b>	First aid treatment, on-site release immediately contained, medium financial loss
<b>3</b>	<b><i>Moderate</i></b>	Medical treatment required, on-site release contained with outside assistance, high financial loss
<b>4</b>	<b><i>Major</i></b>	Extensive injuries, loss of production capability, off-site release with no detrimental effects, major financial loss
<b>5</b>	<b><i>Catastrophic</i></b>	Death, toxic release off-site with detrimental effect, huge financial loss

**TABLE 2 - QUALITATIVE MEASURES OF "LIKELIHOOD"**

Level	Descriptor	DESCRIPTION
<b>A</b>	<b><i>Almost certain</i></b>	Is expected to occur in most circumstances
<b>B</b>	<b><i>Likely</i></b>	Will probably occur in most circumstances
<b>C</b>	<b><i>Possible</i></b>	Might occur at some time
<b>D</b>	<b><i>Unlikely</i></b>	Could occur at some time
<b>E</b>	<b><i>Rare</i></b>	May occur only in exceptional circumstances

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**Table 3 – QUALITATIVE RISK ANALYSIS MATRIX – LEVEL OF RISK**

Likelihood	Consequence				
	<i>Insignificant</i> <b>1</b>	<i>Minor</i> <b>2</b>	<i>Moderate</i> <b>3</b>	<i>Major</i> <b>4</b>	<i>Catastrophic</i> <b>5</b>
<b>A (almost certain)</b>	S	S	H	H	H
<b>B (likely)</b>	M	S	S	H	H
<b>C (possible)</b>	L	M	S	H	H
<b>D (unlikely)</b>	L	L	M	S	H
<b>E (rare)</b>	L	L	M	S	S

- H** = **High Risk** – Immediate action required
- S** = **Significant Risk** – Senior Management attention required
- M** = **Moderate Risk** – Management responsibility must be specified
- L** = **Low Risk** - Manage by routine procedures

**LEGEND FOR MONITORING**

A	Responsibility of the General Manager. Ensure safety monitoring and reporting procedures established and implemented. Review safety procedures. MARKUS WEBER
B	Responsibility of Safety Officer. JEFF WEBER Implementation and monitoring of safety procedures.
C	Handle through routine procedures. MARKUS WEBER

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### RISK ASSESSMENT

Ref	The Risk	The consequences of an event happening (before mitigation)		Risk Treatment	The consequences of an event happening (after risk treatment)		Level of Risk	Risk Priority	Monitoring
		Consequence	Likelihood		Consequence	Likelihood			
1	Injuries caused by evacuation of tent	Moderate	Rare	Evacuation plan established and practised weekly	Minor	Rare	Low	5	C
2	Emergency service attendance required (Police, Ambulance, Fire)	Moderate	Rare	Emergency services informed of event.  Emergency procedures in place and tested.  Multiple telephones available to contact emergency services.  Clear access routes maintained.	Minor	Rare	Low	5	C
3	Fire – minor	Minor	Unlikely	On site fire extinguishers maintained to relevant regulations and standards	Insignificant	Unlikely	Low	5	C
4	Fire – major	Major	Rare	See emergency services attendance required, above.	Minor	Rare	Low	5	C
5	Medical care not available – minor injury	Minor	Possible	First aid kit available.	Insignificant	Possible	Low	5	C

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		Consequence	Likelihood		Consequence	Likelihood			
6	Medical care not available – major injury	Major	Unlikely	See emergency services attendance, above.	Moderate	Unlikely	Moderate	3	B
7	Personal safety compromised.	Moderate	Possible	Public areas to be well lit.	Moderate	Unlikely	Moderate	3	B
8	Sharps pick up and disposal causes infection or injury	Major	Possible	Sharps procedures established for glass, syringes etc found discarded.	Major	Unlikely	Significant	1	A
9	Crowd control required	Major	Unlikely	Strong family orientation will minimise adverse crowd behaviour	Moderate	Rare	Moderate	3	B
10	Problems at entry or exit	Moderate	Possible	Safety officer on duty.  Entry is open half hour before each show.  Open-air setting allows freedom of movement.  Numbers limited by seating availability	Moderate	Rare	Moderate	3	B
11	Collapse of temporary structures causing injury or damage to property	Major	Possible	Safety procedures for temporary structures in place.	Major	Unlikely	Significant	1	A

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		Consequence	Likelihood		Consequence	Likelihood			
12	Power failure	Moderate	Unlikely	Exit lights in tent. All staff carries flash lights. Large flash lights on hand at all times at AMP stand.	Moderate	Rare	Moderate	3	B
13	Electric shock	Moderate	Possible	Cables to be buried or above head height.  Earth leakage switch on all power boxes	Moderate	Rare	Moderate	3	B
14	Trip and similar hazards	Moderate	Possible	Safety check list completed prior to each performance  Public entrance areas to be kept clear at all times.  Cables, seating, scaffolding, platforms secured in place to safety standard.  Site checked prior to each performance.	Moderate	Unlikely	Moderate	3	B

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		Consequence	Likelihood		Consequence	Likelihood			
15	Communications systems, including public address failure	Minor	Unlikely	PA system tested prior to each performance.  Alternative PA system available.  Multiple mobile telephones available.	Minor	Rare	Low	5	C
16	Occupational Health and Safety related injury	Moderate – Major	Possible	OH&S guidelines for Entertainment industry followed as applicable (as Developed by the Australian Entertainment Industry Association and the Media Entertainment and Arts Alliance)  Training of staff.	Moderate – Major	Unlikely	Moderate - Significant	2	A
17	Noise disturbance	Minor	Possible	All broadcasting is within big top only Performance times within regulatory requirements.	Minor	Unlikely	Low	5	C

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18	Damage to existing underground services.	Moderate	Possible	No excavation required.  Limit of peg insertion / cable burying is 1.8 m.	Minor	Rare	Low	5	C
Ref	The Risk	The consequences of an event happening (before mitigation)		Risk Treatment	The consequences of an event happening (after risk treatment)		Level of Risk	Risk Priority	Monitoring
		Consequence	Likelihood		Consequence	Likelihood			
19	Damage to existing overhead services.	Moderate	Possible	No vehicles over 4.3m in height.  Trucks to be driven by qualified personnel only.  Tents to be placed by senior staff.	Moderate	Rare	Moderate	3	B
20	Animals – Escape (Miniature Horses)	Minor	Rare	Containment with secured enclosed area	Insignificant	Unlikely	Low	2	C

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21	Public health risks  -0 Air conditioning related spread of disease  -1 Infection spread through unhygienic toilet facilities  -4 Infection from waste  -5 Infection from contaminated food	Moderate	Possible	No air-conditioning used in tents.  Adequate toilet facilities available.  Toilets checked twice daily.  Pre package food	Moderate	Unlikely	Moderate	3	B
Ref	The Risk	The consequences of an event happening (before mitigation)		Risk Treatment	The consequences of an event happening (after risk treatment)		Level of Risk	Risk Priority	Monitoring
		Consequence	Likelihood		Consequence	Likelihood			
22	Water borne diseases or infection	Moderate	Possible	All water points to be checked for drainage daily.	Moderate	Rare	Moderate	3	B
23	Waste management problems – excessive odour for patrons or nearby residents; fly problems	Minor	Unlikely	Bins emptied daily	Minor	Unlikely	Low	5	C



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24	Damage to land / site infrastructure during circus set up	Moderate	Possible	<p>Safe vehicle route established prior to entry, including entry and exit points.</p> <p>Minimise damage by trucks – driven only by qualified drivers; reversed with assistant directing</p> <p>Trucks are small or have low axle load</p> <p>Area closed to public.</p> <p>Incident reporting procedure established.</p> <p>Make good procedures.</p>	Minor	Possible	Moderate	3	B
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		Consequence	Likelihood		Consequence	Likelihood			
25	Damage to land / site facilities during event	Moderate	Possible – Likely (wet weather)	No circus vehicles to be moved during event  Public access routes established, including wet weather alternatives.  Incident reporting procedure established.  Make good procedures.	Minor	Possible	Moderate	3	B
26	Damage to land / site facilities during circus break down.	Moderate	Possible	As for set up.	Minor	Possible	Moderate	3	B