



Hazard Identification, Risk Assessment and Risk Control for OGO sites

This version was written by Outdoor Gravity NZ Ltd on:

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Note that this document should be used in conjunction with the Manufacturers Operating and Maintenance Specifications for OGOs.

A hazard identification process should be undertaken at each location where OGOs are to be used, and the resultant measures incorporated into Operating and Training Manuals for the site.

Hazard Identification during design and manufacture

During the design process, the designers of the OGO undertook a risk assessment process.

Potential hazards associated with the OGOs were considered during design including:

- Mechanical hazards
- Thermal hazards
- Impact hazards
- Harmful substance hazards

Some potential hazards were identified and eliminated during the design phase and during manufacture with use of quality control procedures.

Residual risks and risk control measures are shown in the table below. Residual risks must be controlled by following the instructions contained within the manufacturer's operating and maintenance specifications.

AREA	HAZARD	RISK CONTROL MEASURES	NOTES
Inflation and deflation	Contact with electrical live parts	Use of Residual Current Devices (RCDs) for electrical equipment	
		Dry storage for electrical equipment	
	Noise hazards	Use of ear protection when inflating OGOs	
Staff set-up, launching and catching	Slips/falls	Operate at ground level	
		Ensure non-slip surfaces are in place	Especially for water rides or in wet conditions
	Hot/cold working environments	Provide shelter and shade for operators	
	Contact with electrical live parts	Use of Residual Current Devices (RCDs) for electrical equipment	

OGO rides	Damage to OGOs	Check site for foreign objects	
		Inspect OGOs daily and record inspection in logbook	
		Store OGOs in secure area	
		Operator to check inflation pressure, zipper doors and harnesses prior to each ride	
	Unfit/unsuitable riders	Use signage and/or sign in procedure to screen unsuitable riders	Rider restrictions are detailed in Manufacturers Operating and Maintenance Specifications
		Restrict entry for riders who do not meet rider standards	
	Waterborne illnesses	Follow water quality inspection and treatment procedures or use fresh potable water for each ride	
	Rider ejection during ride	Operator to ensure double zip door is correctly closed on H2OGOs	
		Operator to ensure rider/s are securely harnessed in harness rides	
	Impacts with objects	Only operate on designed and tested tracks	
		Tracks to be tested in different wind conditions to establish safe operating conditions	
		Operators to check tracks and landing zones prior to launch	
		Operators to be located at launch area and at landing zones	
		Operators to maintain communication through radios	
		Launch areas to be designed to prevent OGOs rolling away until operator is ready	

AREA	HAZARD	RISK CONTROL MEASURES	NOTES
Inspection and Maintenance	Solvent inhalation/contact	Ensure MSDS stored with any solvents	Chemicals stored on-site may include PVC adhesive and Methyl Ethyl Ketone (MEK)
		Ensure all chemicals have correct labelling	
		Store chemicals securely	
		Training in use of chemicals	
		Use of Personal Protection Equipment – solvent masks and gloves	