

Risk Assessment Activity – Power Fan Jump

Pioneer Centre	Assessed by: James Kniffen				Assessed:	Next Review Date
					10/01/2022	09/01/2023
<p>Overview: Power Fan Jump was purpose built by JM Adventures (approved contractor) December 2019. The Power Fan Jump is 13-meter jump and is suitable for participants between 20kg and 120kg. Trained staff do a check at the beginning of the day, when used, to ensure all equipment and elements are in good working order. There is annual independent inspection by High Times Ltd. The power fan unit will be sent off, to the manufacturer for full service, every two years or 250,000 jumps whichever occurs first. A quarterly inspection of the structure is carried out by trained staff and recorded. All the equipment inspection procedures are established and overseen by the Chief instructor who has the Winter Mountaineering and Climbing Instructor (WMCI). Staff are in-house trained and assessed. Preferred Staff to Client ratio 1:12 and a maximum of 1:16 under supervision (under instruction 1:1 instructor to client for doing the Power Fan).</p>						
Hazards	Groups of People at Risk from the Hazards Identified	Probablity	Severity	Risk Category	Control Measures	
Structural Failure	Instructors, staff and guest/participants	Very unlikely	Fatal	Low	Power Fan Jump structure was built by approved contractors and external annual inspections are carried out. Quarterly structural checks are carried out.	
Falling objects	Instructors, staff and guest/participants	Unlikely	Major	Medium	Group briefed to empty pockets. Participants briefed on how to stand if objects fall to protect themselves.	
Unauthorized access to the Power fan Jump	Instructors, staff, guest/participants and general public	Likely	Fatal	Low	When not being used on session the staples are removed and stored in safe locked place. Also, the belay drope is clipped into a tracer line that is then clip above the removable staples preventing access. When not in use at all staples sorted in a locked place and	

					belay line on its tracer cord is clipped above removeable stables.
Slips, trips and falls	Instructors, staff and guest/participants	Likely	Minor	Medium	Maintenance of site, instructor visually checks area upon arrival. General brief and group management is provided by instructors ensure play is safe.
Climbing up the structure/pole without being clipped into the belay line / Drope	Instructors, staff and guest/participants	Unlikely	Fatal	Low	An Instructor is present during the session and the instructor clips the participate into the belay line/drope and checks the harness and helmet before allowing the participant to climb up the pole to the jumping platform. When not in use staples stored in a safe locked place.
Power Fan Unit jamming and/or locking up	Instructors, staff and guest/participants	Very Unlikely	Major	Low	Daily inspection before use is done which is detailed in operating procedures. Belay/drope is always used with an energy absorber.
Equipment failure / malfunction	Instructors, staff and guest/participants	Unlikely	Major	Low	Only participant's weight over 20kg and under 120kg can do the jump. PPE and other equipment visually check before use and a further monthly check takes place and is recorded to ensure equipment is in good working order. Any suspect equipment is immediately taken out of use and replace. Daily inspections for the Powerfan unit are carried out which are detailed in operating procedures. The Drope / belay line is to never be knotted.
Physiological effects	Guest/participants	Unlikely	Major	Low	Instructors aware of groups needs and medical issues. Challenge by choice brief is given and instructors will respect participates choices and be

					sensitive to participants reactions to the activity they are invited to participate in.
Stress / Panic Attack	Guest/participants	Likely	Major or traumatizing	Low	Challenge by choice brief is given and instructors will respect participants choices. Instructors will air on the side of caution if participants start to panic or have strong emotional reaction to the activity the instructors will react quickly to ensure the level of stress is brought back down to acceptable level. This should help ensure the activity runs well for all those involved.
Medical issues – pregnant, heart complaint, spinal injury or weak spine or medical conditions that could be exacerbated by the jump.	Instructors, staff and guest/participants	Likely	Major	Low	Instructors brief participants making them aware that no one should be jumping if have any issues that could be exacerbated by the jump.
Frozen/stuck participant	Guest/participants	Likely	Major/Minor	Low	Instructors are trained on rescue procedures and will look to build up participants that show signs of fear by using a variety of techniques including: shorter jumps, coming along side and offering reassurance, etc.
Landing wrong when reaching the ground on the jump	Instructors, staff and guest/participants	Likely	Major	Low	Instructor to give a clear brief on how to land (feet together and bend legs). There are crash mates that are positioned to help provide a safe landing.

Swinging back into the pole	Instructors, staff and guest/participants	Unlikely	Major	Low	Instructors to brief on how to jump off from the platform – stepping off and no jumping. When winds reach 30mph or stronger the session will stop till winds dies down or session cancelled. Helmets are worn by participants and checked before setting off up the pole.
Loose clothing	Instructors, staff and guest/participants	Likely	Major	Low	Instructors to ensure loose clothing is removed/zipped up before participants are sent off to climb and jump.
Long Hair	Instructors, staff and guest/participants	Likely	Major		Instructors to ensure participants tie their hair back.
Slack in belay line /drope	Instructors, staff and guest/participants	Likely	Major	Medium	Instructors brief participants to keep the belay line / drope taut and told not to pull down on the belay line / drope which would introduce slack into the system.
Belay line / Drope being damaged or cut	Instructors, staff and guest/participants	Very Unlikely	Fatal	Low	Instructors to ensure participants jump at the appropriate places avoiding the belay line / drop running across the platform edge. Daily inspections ensure drope is in good working order.
Grabbing hold of platform rail or anything else when jumping.	Instructors, staff and guest/participants	Likely	Major	Medium	Instructors to brief on how to jump (step off) and the importance of committing to it and not holding on to anything.
Human error- in correct clipping of the belay line to the harness	Instructors, staff and guest/participants	Unlikely	Major	Low	Staff appropriately trained and monitored.