

RISK ASSESSMENT – Forest Facility Power Tower

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| **EVENT**  **Forest Facility Assault Course** | **LOCATION**  *Forest Facility – Stamford* | DATES COVERED BY THIS ASSESSMENT  *2023* | **CREATION DATE** 27/6/2023  **REVISION DATE** 29/11/2023 |
| **ACTIVITY** | *Climbing Wall, Zip Line, Leap of Faith* | | |
| **RISK ASSESSED BY** | *Darren Grigas* | | |
| **UPDATED BY** | *Sarah King* | | |
| **APPROVED BY** | *Darren Grigas* | | |

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| PERSONS AT RISK | : PARTICIPANTS (P), INSTRUCTOR (I), SPECTATORS (S) |
| SEVERITY OF RISK | : LIFE THREATENING = **(4)**, RISK OF SERIOUS INJURY = **(3)**, FIRST AID RISK = **(2)**, NO INJURY **= (1)** |  |
| PROBABILITY | : LIKELY/FREQUENT **(4)**, PROBABLE **(3)**, POSSIBLE **(2)**, UNLIKELY/REMOTE **(1)** |  |
| CALC IF RISK ACCEPTABLE | : SCORE = SEVERITY **x** PROBABILITY |
| IF THE SCORE IS **8 OR** **GREATER,** THE RISK IS **NOT** **ACCEPTABLE - REVIEW THE CONTROLS OR ABANDON ACTIVITY**  IF THE SCORE IS **LESS THAN 8**, THE RISK **IS ACCEPTABLE – ENSURE CONTROLS ARE IN PLACE** | |
| FOR FIRST VERSION THE FORM SHOULD BE COMPLETED WITH PESSIMISTIC RISK SCORES. LATER VERSIONS CAN SHOW WHAT INCREMENTAL CONTROLS HAVE BEEN INTRODUCED TO FURTHER REDUCE RISKS.  **5 PRINCIPLES OF GOOD RISK ASSESSMENT**:  1.) Identify the hazards 2.) Decide who may be at risk; and how 3.) Evaluate the risks and decide on control measures 4.) Record your findings 5.) Review your assessment and update as necessary | |
| |  |  | | --- | --- | | **TOP NOTE** | *It is accepted that cuts and scrapes will occur within this event. The purpose of this is to minimise the level of risk to a level which is then acceptable. Risk assessment is a continual process which does not stop at this written document. It is a dynamic process.* | | **REFERENCE** | *Safety briefs are given to participants prior to commencement of activity*  *Risk assessments and SOPs, environment and location specific*  *Risk assessments and SOPs, discipline specific* | | |

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| **HAZARD IDENTIFIED** | | **THOSE AT RISK** | **SEVERITY** | **PROBABILITY** | **RISK SCORE** | **ACCEPTABLE YES/NO** | **NOTES/ CONTROL** |
| **GENERAL HAZARDS COMMON TO ALL OBSTACLES AND HAZARDS PARTICULAR TO CONTAINER OBSTACLES** | | | | | | | |
| **1** | Normal hazards associated with climbing (i.e. falls from height, impact with something solid) | P, I | 3 | 1 | 3 | Y | Sessions to be run using techniques laid out in the procedure notes. Instructors pass the in-house training and assessment. Lead instructors hold external ropes instructor qualifications and present at all times. Personal protective equipment used at all times. Climbing compound area covered with deep woodchip to 300mm depth in order to absorb impact of fall. |
| **2** | Cuts, Scratches and Bruising | P | 2 | 1 | 2 | Y | Cuts, scratches and bruising possible. Any serious injuries can be assessed by first aid trained staff and medical resources on standby at base camp. |
| **3** | Equipment failure | P, I | 4 | 1 | 4 | Y | All equipment to be inspected and logged in accordance with the inspection and replacement policy. |
| **4** | Structural Failure | P, I | 4 | 1 | 4 | Y | Zip wire and tower built by approved contractors. External annual inspection carried out. Monthly checks on PPE are carried out and quarterly checks on structural elements.  Quick Flight descender annual inspection and service with manufacturer and regular visual inspection carried out in-house. |
| **5** | Falling objects | P/I/SP | 3 | 1 | 3 | Y | Group briefed to empty pockets. All equipment at top of tower secured. |
| **6** | Unauthorized access to Towers/climbing wall | P/I/SP | 4 | 1 | 4 | Y | Tower doors locked and shut when not in use. Access to the Towers is only allowed with a trained staff member present. ‘No unauthorised access’ signs clearly displayed on fencing around the tower areas. |
| **7** | Rope burns | P/I | 2 | 1 | 2 | Y | Group briefed on correct clothing. Instructor supervises participants contact with rope. Instructors are trained in safe lowering practices of lowering slowly and smoothly. Participants do not have contact with moving ropes. |
| **8** | High level fall | P/I | 4 | 1 | 4 | Y | In-house training & assessment are carried out to ensure safe practice is used for activity. Correct use of all equipment. All PPE checked and recorded monthly. |
| **9** | Low level fall | P/I | 3 | 1 | 3 | Y | The instructor has hold of the rope while lowering to ensure participant is brought to the ground safely. |
| **10** | Environmental Hazards | P/I | 1 | 1 | 1 | Y | All participants are briefed on proper clothing for the current weather conditions. Tower not used or sessions cancelled in the event of thunder & lightning (activities can resume 30mins after last thunder was heard) or winds above 40mph |
| **11** | Slips, trips and falls | P/I | 2 | 1 | 2 | Y | Maintenance of site, instructor visually checks area upon arrival. General brief and group management is provided by instructors to ensure play is safe. |
| **12** | Physiological effects | P | 1 | 2 | 2 | Y | Instructors aware of groups needs and medical issues. Instructors will respect participants’ choices and be sensitive and adapt to participants’ reactions to the activity they are invited to participate in. |
| **13** | Stress / Panic Attack | P | 1 | 2 | 2 | Y | 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. |

Additional controls:

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| **HAZARD IDENTIFIED** | | **THOSE AT RISK** | **INITIAL RISK SCORE** | **EXTRA CONTROLS** | **SEVERITY** | **PROBABILITY** | **NEW RISK SCORE** | **ACCEPTABLE YES/NO** |
| **1** |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |

Note: Risk Assessment is a dynamic process. Although this written assessment has been created, reviewed and issued, there might be situations during the activity delivery that require re-assessment to be made. If so, it may not be practical to modify any written materials. Verbal revisions, voice recordings and on-the-ground live assessment are all suitable methods of risk assessment. If in doubt, stop work, assess the risk and evaluate.

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| **Signed and date by Author** | *Sarah King – June 2023* |
| **Approved by** | *Darren Grigas* |
| **To be issued to** | *Designated staff and event crew* |

**Forest Facility Limited**