

Forest Facility On-Site RISK ASSESSMENT

Introduction

Forest Facility features a mixture of trail running, assault course, adrenaline activities including zip line, climbing, abseiling, kayaking and paddle boarding, escape rooms, archery, axe throwing and team building activities. FF have engaged a competent crew to carry out obstacle and activity build operations on site, in order to construct and deliver safe obstacles and activities. This Risk Assessment covers the daily operations undertaken by the FF appointed crew. There is interaction between staff, volunteers, participants and members of the Public therefore all groups are taken into account within this document.

Methodology

In constructing this Risk Assessment, the following methodology has been employed:

- Identified all hazards 'something that may cause harm'
- Listed areas of hazard A-Z, with any location specific hazards listed separately at the end of the document.
- Identified groups of people who may be affected/at risk:
 - Staff and Contractors (S)
 - Members of the Public (P)
 - Participants or Competitors (C)
- Determine risk level using a risk matrix (below)
- Documented all control measures that need to be taken to reduce the risk to an acceptable level.

MATRIX

Likelihood x Severity	5 (Severe)	4 (Major)	3 (Moderate)	2 (Minor)	1 (Insignificant)
Almost Certain 5	25	20	15	10	5
Likely 4	20	16	12	8	4
Possible 3	15	12	9	6	3
Unlikely 2	10	8	6	4	2
Rare 1	5	4	3	2	1

	Unacceptable Risk
	Acceptable with adequate controls
	Acceptable risk

GROUPS

A = Staff

B = Members of the Public

C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
Staff Competency				
Competence of staff working on-site in any capacity. Incompetency leading to accidents, dangerous occurrences or near misses	A, B, C, D	4x5=20	<ul style="list-style-type: none"> Competence of staff checked regularly Documentary evidence requested to include (as appropriate): a company health and safety policy; generic risk assessments; site specific risk assessments; method statements, safe systems of work; evidence of certification under a recognised quality assurance scheme; records of training; certificates of insurance covering public liability and product liability to be valid for the duration of the contract; test certificates for equipment and materials (e.g. load testing of lifting equipment, regular testing of harnesses etc.); or any other documentary evidence that will help establish competence. All staff operations will be monitored by Site Manager to ensure compliance with safety policy and Work Health and Safety law. It is anticipated that lone working will follow the pre-existing protocol set out in the method statement. 	1x5=5
Electricity				
Electric shock from temporary installations including generator supplies and distribution	A, C	5x5=25	<ul style="list-style-type: none"> A competent person will install all electrical systems. This will be limited to temporary generator power supplies. All systems will have the appropriately rated RCDs installed into the system with the design of the system ensuring that RCD's remain active. Power draw for this site is being kept to an absolute minimum. 	1x5=5
Electric shock while using generators and other technical or power distribution equipment.	A, C	4x5=20	<ul style="list-style-type: none"> Competent personnel only to install or connect power supplies. All Staff or Contractors bringing equipment onto site will provide risk assessments and health and safety documentation. All electrical equipment to have been PAT Tested if relevant to the apparatus and applicable Governing Laws. Appropriately rated RCDs installed as necessary. 	2x5=10
Electric shock from use of portable electrical equipment.	S	3x5=15	<ul style="list-style-type: none"> All portable equipment used by contractors (including hire companies) should at least have had a visual inspection by a competent person prior to use. Inspected for damage, loose connections, signs of burning etc. If applicable through type of equipment and pattern of use and/ or Governing Laws, a PAT test may be required. Use of battery operated tools and/or 110v equipment preferable where using portable tools, especially cutting tools. The correct tool must be used for the job in hand The site manager and /or competent person will inspect as many end users as possible during rounds. Dangerous equipment will be made inoperable or removed. 	1x5=5

GROUPS

A = Staff

B = Members of the Public

C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
Fire				
Risk of fire (general)	A, B, C, D	4x5=20	<ul style="list-style-type: none"> Adequate provision of litter collection points throughout the site. Regular litter patrols and emptying of litter collection points. Strict <i>No Smoking</i> policy enforced. Site layout designed with evacuation routes in minds at all times. Fire Control and Extinguisher points known and briefed to staff on site. Competence in usage expected for Site Manager and team. 	2x5=10
Insurance				
Inadequate insurance cover.	A, B, C, D	2x2=4	<ul style="list-style-type: none"> FF has appropriate public and employers' liability insurance. All Contractors checked to ensure compliance with a valid Certificate of Currency to show relevant Public and Products Liability Insurance Cover. 	1x2=2
Lifting Operations				
Manual Handling – see section below that deals with Manual Handling	A, C	5x5=25	<ul style="list-style-type: none"> All lifting equipment to comply with LOLER or equivalent (Inspection certificates, clear indications of safe working loads etc.) All lifting operations to be assessed prior to commencing the operation to ensure that the appropriate equipment is being used, ground conditions and loads are secure. Only competent, trained and certified personnel to carry out any lifting operations. Contractors to provide this evidence to site Manager Any work area involving a lift will be isolated via hazard tape or signage. Site Manager to oversee the work site and prevent access to non -essential staff while the lift is being carried out if possible and available. 	1x1=1
Management				
Injury, damage to infrastructure resulting from failure to carry out sufficient safety checks	A, B, C, D	3x5=15	<ul style="list-style-type: none"> A competent and experienced site manager will oversee and manage all safety checks. An experienced team will ensure good communication on-site. A clear safety check schedule will be developed and communicated to staff FF safety policy will be used to ensure the site is safe and working to Work H & S regulations and safe systems of work. Professional staff will be employed to ensure staff are unlikely not to work in a professional manner. Safety and site briefings to all crew prior to work commencing or all crew to be provided with safety briefing pack including Ras and SOPs. All contractor risk assessments, certification of competence and method statements 	1x5=5

GROUPS

A = Staff

B = Members of the Public

C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
Failure in appropriate procedures of Safety Management system resulting in additional avoidable accidents	A, B, C	2x5=10	to be provided to the site manager prior to arriving on site. <ul style="list-style-type: none"> • Induction for all new staff and Contractors. • All staff to be briefed that all accidents and near misses should be reported to the site manager to be logged. No blame attitude taken initially. • FF and Contractor Staff will be provided with the appropriate PPE. 	1x4=8
Manual Handling				
Muscular-Skeletal injury caused by poor manual handling technique while moving equipment, stacking equipment (e.g. Flight cases)	A	4x4=16	<ul style="list-style-type: none"> • Manual handling will be avoided with loads over 25kg where there is a reasonable alternative using wheeled dollies, mechanical aids etc. • All staff are experienced and competent and will be supervised by site manager. • Manual handling will be covered staff safety briefing and no staff will be expected to lift loads that they feel incapable of doing. • Any person undertaking such operations will wear appropriate PPE (e.g. footwear, or gloves). • Assistance will be made available from another competent person if an operation requires more than one person. • Gangways and routes will be checked as clear prior to movement • Stacked gear to be stacked as stable or strapped down if any risk of toppling is still there. • The site manager to enforce and monitor all of the above 	1x3=3
Medical Provision				
Injuries exacerbated through lack of professional medical provision for works.	A, C	3x4=12	<ul style="list-style-type: none"> • FF will provide first aid kits for staff on site 	1x4=4
Noise				
Noise at Work - damage to hearing from prolonged exposure to loud noise. Both temporary and permanent.	A, C	4x3=12	<ul style="list-style-type: none"> • Hearing protection will be used when using any petrol or other high-noise tools. 	2x3=6

GROUPS

A = Staff

B = Members of the Public C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
Slips, Trips and Falls				
Tripping – cables and forest floor - exposed cables and unmarked items on forest floor may be a trip hazard to those on foot. Tripping over tools or materials on ground.	A, B, C	3x4=12	<ul style="list-style-type: none"> Any exposed cables to be covered with cable ducting, core matting or flown over structures. Good housekeeping required to ensure work tools do not create a trip hazard Adequate lighting provided during works. Regular monitoring by site manager of any possible hazards and regular maintenance. Power tools and hand tools to be stowed neatl. “Tidy as you go” policy adopted Any new trip hazards on forest floor identified and moved/marked as required. 	1x4=4
Temporary Demountable Structures				
Many hazards associated with TDS’s Risk of collapse, over loading. Poorly erected and incomplete structures Fire	A, B, C, D	3x5=15	<ul style="list-style-type: none"> Each structure will be signed off by a competent person prior to use. Flame retardant certificates provided where relevant. Strict <i>No Smoking</i> policy enforced. See Working at Height section for specific height-related risk assessment. 	1x5=5
Vehicles				
Vehicle movement - risk of accident/injury if vehicle movement is not controlled and supervised.	A, B, C, D	5x4=20	<ul style="list-style-type: none"> No unauthorised vehicles allowed on site. All contractors operating plant, site vehicles etc will be competent and appropriately trained in the use of said vehicle. Speed limit of 5mph to be enforced at all times. Any short notice vehicle movement must be authorised by site manager during events. Consideration will be given to any likely pedestrian movement in the area. All vehicles will use headlights and beacons, not hazard warning lights 	2x2=4
Working at Height				
Work at height (general)	A, C	4x5=20	<ul style="list-style-type: none"> Work at height to be avoided where possible. (Hierarchy of controls - Prevent Falls then mitigate potential harm from a fall) Competent contractors to provide WAH risk assessments and method statements. Ladders only to be used for light, short duration work following a risk assessment. If at all possible all WAH should be carried out from plant or work platform. Work positioning harness to be worn for all work from mobile platforms (scissor lifts, cherry pickers, forklift man-cages, power tower etc.) or near poorly protected edges. Fall arrest systems to be used if Work Positioning Systems not practical. Rescue plan to be in place for all WAH. All WPS and Fall Arrest equipment should be maintained and inspected and have 	2x5=10

GROUPS

A = Staff

B = Members of the Public C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
			certificates available. • Site manager to monitor working at height operations where possible, especially any major lifts or rigging operations. Unusual or emergency working at height requirements to be agreed with site manager prior to work being carried out	
Falls from ladders	A	4x4=16	• Staff to be trained in the safe use of ladders. • All ladders positioned at 4:1 ratio height to width. 3 rungs or 1m protrusion above max working area. • Ladders to be in good condition and securely positioned when in use, footed. • Ladders to be used for access or light work of short duration only. • Significant loads will not be carried on ladders. • Damaged ladders will be removed and destroyed.	1x4=4
Falls from temporary structures	A	4x5=20	• Temporary structures to be constructed by competent persons. • All temporary structures to be signed off by a competent person as being fit for purpose prior to use. • Structures to be secured from unauthorised access. • All edges and treads to be marked with high visibility tape if required.	2x4=8
Falls while work at height e.g. Dropped equipment putting floor workers at risk. Overloading roof structures creating structural collapse	A, B, C	4x5=20	• All staff and contractors will be required to provide risk assessments and method statements for working at height. This must include a rescue plan. • All work at height will be undertaken to ensure there are no conflicts with other work below. • Majority of the high-level work to be carried out while no other activity is programmed on that part of the site. • Where risk assessment indicates it necessary, an exclusion zone will set-up and maintained under high level work.	2x5=10
Welfare				
Drinking water – Lack of, leading to dehydration	A, C	3x3=9	• Adequate supplies of drinking water available free of charge to staff and contractors.	1x3=3
Excessive Hours for Staff - fatigue causing accidents and poor decision-making.	A, C	4x4=16	• 7.5 hour days maximum • Appropriate number of staff to allow for breaks. • All contractors and staff must be responsible for own welfare and should raise welfare concerns with the site manager if necessary. • Contractors and staff briefed to provide their own site-specific clothing and personal welfare gear. FF will provide for staff where required.	3x3=9
Lack of welfare for staff- leading to tiredness, unhygienic conditions, illness and poor morale	A, C	3x3=9	• Breaks, refreshments and suitable provision of toilets and hand washing facilities provided.	1x3=3

GROUPS

A = Staff

B = Members of the Public

C = Contractors

D = Participants

Hazard	Group at Risk (A, B, C, D)	Risk Rating (LxS=R)	Control Measure	Residual Rating (LxS=R)
---------------	---------------------------------------	--------------------------------	------------------------	--

Prepared by: Sarah King

Version 1 June 2023

