

Nuts Challenge 2019 (last reviewed 28/8/19)

Risk Assessment

There are a number of pieces of legislation which require a risk assessment to be carried out including the Management of Health and Safety (Workplace) Regulations 1999. All the work activities need to be assessed, by a person who is considered competent in order to identify the hazards and evaluate the risks of these hazards causing harm to people. Any hazards and risks that cannot be eliminated must be controlled or mitigated and the controls, whether they are procedural in nature or actual physical measures, must be advised to those who will be working, or who might otherwise come into contact with the hazards.

The following approach has been adopted to complete this risk assessment:

- Information gathered to identify risks
- Consider control measures suitable for the identified risks
- Evaluate residual risk

associated with the identified hazard assuming that the risk associated remains completely uncontrolled. The residual risk is the level of the remaining risk produced when proposed control measures have been applied. The figures given may be interpreted using the matrix below. The Event Management must ensure that the risk control measures are fully implemented to achieve these levels. The columns following the residual risk data indicate where additional controls are required or where special attention should be given. For the avoidance of confusion - the columns of the risk rating sections are headed S x L= R. (Severity of consequences x Likelihood of occurrence = Risk)

The control measures, indicated within the assessment, are considered to be reasonably practicable measures. A review of the assessment will be made, should further information be received which suggests that the control measures suggested are no longer sufficient to control risks or are inappropriate or if additional hazards are identified. During the event build up a dynamic risk assessment will be undertaken by the Event Organiser to ensure appropriate risk controls are in place should situations develop which are not covered within this initial assessment.

The Assessment of Risks and all control measures remain the responsibility of the Event Organiser.

Risk Assessment Matrix for Personal Injury		Multiple Death 5	Single Death 4	Serious Injury 3	Minor Injury 2	No Injury 1
L I K E L Y H O O D	Certain 5	25	20	15	10	5
	Very Likely 4	20	16	12	8	4
	Probable 3	15	12	9	6	3
	Possible 2	10	8	6	4	2
	Very Unlikely 1	5	4	3	2	1

Notes:

The numerical scale used is to allow comparisons of the risk levels only. No literal meaning is implied by the scoring level.

Key to Shading

25	Level of risk is unacceptable
8	Level of risk may be acceptable but efforts should be made to further mitigate if possible
5	Level of risk is acceptable, but if reasonable to mitigate further it should be done.

Definition of Severity

5 Multiple Deaths	More than one person may suffer fatal injuries
4 Single Death	One person may receive fatal injuries
3 Serious Injury	Life threatening or life changing injury or resulting in 5 or more days off work (See RIDDOR)
2 Minor Injury	Injury requires no treatment or can be treated by first aid on site or one consultation at A&E / GP
1 No Injury likely	No injuries are likely to occur

Definition of Likelihood Classes

5 Certain	Has happened before and is expected to happen on this occasion
4 Very Likely	Has happened before and is very likely to happen on this occasion
3 Probable	Has been known to occur before and is likely to happen on this occasion
2 Possible	Has been known to occur before and it may happen on this occasion
1 Very Unlikely	Has never happened before and there are no reasons to suggest it will happen on this occasion

Abbreviations Used In Assessments

P = Public **S** = Event staff/ Contractors **A**= Artistes **ALL**= All persons on site

Overview for the Risk Assessment for Henfold Lakes Obstacle Course and Events Field. Location – A green field site which has been used for outdoor activities for several years.

Planned Activity – This site is leased by Camelot Events Ltd but they are not the only company to use the land. They also sub-let the site to a number of companies including Elite Action Games, NUTS Challenge Ltd, The NUTS OCR Club, Surrey Paintball Centre, London Youth Action Group Ltd and Actions Days Out.

This site has a number of features including an Obstacle Course, Lake and Activity Field. The Obstacle Course is used for Corporate Events and twice a year for the NUTS Challenge, an obstacle course race with a 7km circuit which can be undertaken up to 4 times. The course is also the training ground for Team Nuts (an obstacle course racing team based at the site). Other activities include Archery, Shooting, Air Soft, canoeing and raft building.

Observations – The site has potable mains water. Generators, and all lighting, must comply with the Electricity at Work Regulations and be installed and tested by qualified electricians. Attention must be paid to trailing cables and these should be of a suitable material to allow them to be dug in and made safe. The whole site is ‘countryside’

with the course running through woods, open fields and with streams, rivers and freshwater lakes. The only buildings are constructed in the woods to offer showers and toilet facilities which are drained into a cesspit.

Medical – Staff at the site have basic lifesaving first aid training and/or military service including field first aid skills. For Corporate events or larger events the services of PLATINUM Medical Services, a local medical event company, are hired in. For the two NUTS events, in the Spring and Summer, this medical cover includes Paramedics, Ambulance Technicians and First Aid staff together with 4x4 ambulances and road ambulances to convey to hospital if required. Discussions with the Medical provider indicate that casualty figures are normally low. Figures provided by the Medical Provider indicate a casualty rate of <1% that usually requires no more than minor intervention or treatment. For the Spring event there is also a 'warming tent' with heaters to combat any risk of hypothermia amongst contestants.

Fire – Suitable extinguishers are located on site within the buildings and checked regularly.

Emergency Access – There is a hard road available to much of the site. The owners have several 4x4 vehicles to assist during events if anyone needs to be transported back to the buildings for first aid treatment.

When assessing the Risk I have looked at the following groups:-

Staff (S)– Those working on the site

Visitors and Members of the Public (P) including adults, young adults, disabled persons, children and including school parties visiting.

These risk assessments have been undertaken with the full cooperation of Camelot Events Ltd, Action

SUBJECT AREA	CODE	HAZARDS/EFFECTS	PERSONS AT RISK	SEVERITY RATING X LIKELIHOOD = PRIMARY RISK (BASED ON NO CONTROLS IN PLACE) SXL=-R			RECOMMENDED CONTROL MEASURES	SEVERITY RATING X LIKELIHOOD=RESIDUAL RISK (ONCE CONTROL MEASURES IN PLACE) SXL=R			ACTION REQUIRED WHERE RISKS ARE NOT ADEQUATELY CONTROLLED	OTHER COMMENTS
ARRIVAL AND INSTALLATION PROCEDURES	B-1	FAILURE TO MAINTAIN CONTROL OF EQUIPMENT	P S	4	5	20	ALL CONTRACTOR VEHICLES/PLANT MOVEMENT TO BE SUPERVISED. ALL PERSONS TO BE TRAINED AND COMPETENT	2	3	6		
LIGHTING	B-2	INSUFFICIENT VISIBILITY FOR WORKING	S	3	3	6	ENSURE ADEQUATE LIGHTING LEVELS IF BUILD IS TAKING PLACE DURING HOURS OF DARKNESS	3	1	3		
ELECTRICAL EQUIPMENT	b-3	ELECTRICAL SHOCKS OR BURNS	S	5	3	15	USE OF 110V OR BATTERY OPERATED TOOLS WHERE PRACTICABLE PORTABLE TOOLS ETC OWEND BY CAMELOT TO BE EXAMINED AND CERTIFIED AS PAT TESTED	3	3	6		
FIRE	B-4	DAMAGE BY FIRE OR SMOKE TO PERSONS AND OR PROPERTY	P S	4	3	12	KEEP COMBUSTIBLES TO MINIMUM PROVIDE FIRE EXTINGUISHERS TO SITE AND IN STRUCTURES IF PETROL GENERATORS ARE USED THEY MUST NEVER BE FILLED WHEN RUNNING. THEY MUST BE ALLOWED TO COOL BEFORE REFUELLING	3	2	6		

STORAGE OF MATERIALS	B-5	FALLS TRIPS UNSAFE STACKING OR COLLISION	P S	4	4	16	SAFE STORAGE LOCATIONS TO BE IDENTIFIED IN ADVANCE FENCING CONES HAZARD TAPE AND HAZARD LIGHTING TO BE ERECTD AS NECESSARY WHERE PUBLIC HAVE ACCESS OR WHERE THERE IS A SIGNIFICANT RISK OF VEHICLE COLLISION					
WELFARE AND FIRST AID	B-6	LACK OF WELFARE AND FIRST AID ISSUES	P S	4	2	8	FIRST AID TRAINED STAFF ON SITE IF WORKING OVERNIGHT ACCESS TO SANITARY FACILITIES SHOULD BE AVAILABLE	2	2	4		
LACK OF PROTECTION FOR HEAD, HANDS, FEET ,EARS	B-7	STAFF UNDERTAKING REPAIRS OR BUILDING NEW OBSTACLES	S	3	3	9	OWNER MUST ENSURE THAT THEY HAVE APPROPRAITE PERSONAL PROTECTIVE EQUIPMENT FOR THE ACTIVITIES WHICH THEY ARE UNDERTAKING AND WILL ENSURE THE EXCLUSION OF ALL OTHER PERSONS FROM AREA WHERE PPE IS REQUIRED	3	2	6		
MANUAL HANDLING	B-8	BACK INJURIES, STRAINS, SPRAINS ETS	S	3	4	12	DYNAMIC RISK ASSESSMENT BY INDIVIDUAL STAFF	3	2	6		
ERECTION AND BREAKDOWN OF STRUCTURES	B-9	FALLING MATERIALS, VEHICLE MOVEMENT, UNSTABLE PART OF COMPLETED STRUCTURES	P S	5	4	20	AREAS WHERE STRUCTURES ARE BEING ERECTED SHOULD BE 'OFF LIMITS' TO OTHERS NOT INVOLVED IN THE WORK IF WORKING ON OR ADJACENT TO A ROAD AND ESPECIALLY AT	3	2	6		

							<p>NIGHT, HIGH VISIBILITY JACKETS SHOULD BE WORN</p> <p>HEAD PROTECTION SHOULD BE WORN WHERE NECESSARY</p>					
INCORRECT AND /OR UNSTABLE STRUCTURES	B-10	POTENTIAL FOR TOTAL OR PARTIAL COLLAPSE	P S	5	4	20	<p>THE STRUCTURES TRO BE ERECTED BY EXPERIENCED STAFF</p> <p>THE FINAL STRUCTURE SHOULD ON COMPLETION BE CHECKED BY THE SITE OPERATOR</p>	2	2	4		
WEATHER CONDITIONS	B-11	<p>ADVERSE WEATHER CAUSING HAZARDS E.G HIGH WINDS, HEAVY RAIN</p> <p>EXPOSURE TO EXTREME WEATHER CONDITIONS – HYPOTHERMI, HEAT, EXHAUSTION, SUNBURN</p>	P S	4	4	16	<p>IN THE EVENT OF SEVERE WEATHER WHICH CONSTITUTES A SEVERE RISK TO THE HEALTH AND SAFETY OF THOSE ON SITE, THE SENIOR MEMBER OF STAFF SHALL HAVE THE AUTHORITY TO STOP ALL ACTIVITIES UNTIL CONDITIONS IMPROVE.</p> <p>ACCESS TO SUITABLE AND SUFFICIENT WELFARE FACILITIES AND DRINKING WATER.</p> <p>SITE OPERATOR TO REMIND ALL STAFF OF THE NEED FOR SUN BLOCK OR OTHER MEASURES AS APPROPRIATE</p>	2	2	4		
SITE CLEARANCE	B-12	CUTS AND PUNCTURE WOUNDS	P S	4	4	16	SITE TO BE THOROUGHLY CLEARED PRIOR TO PUBLIC BEING ADMITTED	2	2	4		

							SUITABLE CONTAINERS TO BE PROVIDED BY MEDICAL PROVIDER AT FIRST AID TREATMENT CENTRES FOR THE CORRECT DISPOSAL OF NEEDLES AND OTHER SHARPS. CLINICAL WASTE TO BE REMOVED FROM SITE BY MEDICAL PROVIDER.					
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CATERING AND TRADING

SUBJECT AREA	CODE	HAZARDS/EFFECTS	PERSONS AT RISK	SEVERITY RATING X LIKELIHOOD = PRIMARY RISK (BASED ON NO CONTROLS IN PLACE) SXL=R			RECOMMENDED CONTROL MEASURES	SEVERITY RATING X LIKELIHOOD=RESIDUAL RISK (ONCE CONTROL MEASURES IN PLACE) SXL=R			ACTION REQUIRED WHERE RISKS ARE NOT ADEQUATELY CONTROLLED	OTHER COMMENTS
				4	3	12		2	2	4		
GENERAL ARRANGEMENT OF TEMP UNITS	C-1	OVERCROWDING AND RISK IF PINCH POINTS PRODUCED	P	4	3	12	ALL UNITS TO BE LOCATED IN AREAS WHERE EXCESSIVELY HIGH CROWD DENSITIES NOT TO BE EXPECTED AND ALIGNED TO NOT OBSTRUCT CROWD FLOWS. UNAUTHORISED VENDORS TO BE REMOVED FROM SITE.	2	2	4		
GENERATORS	C-2	FIRE AND ELECTRIC SHOCK	P S	5	3	2	WEHRE POSSIBLE CONSIDERATION SHOULD BE GIVEN TO CONNECTING UNITS AND LIGHTING TO MAINSUPPLIES. WHERE THIS IS NOT POSSIBLE A MIN NUMBER OF SHARED GENERATORS SHOULD BE USED.	3	2	6		

							IF POSSIBLE THEN GAS OR DIESEL GENERATORS TO BE USED, PETROL GENERATORS MAY BE USED ON THE SITE BUT NEVER REFILLED WHEN RUNNING OR HOT.					
CABLE RUNS	C-3	TRIPS	P S	3	4	12	<p>MIN NUMBER OF CABLE RUNS TO BE USED</p> <p>WHERE POSS THESE NOT TO BE IN PUBLIC AREAS. IF IN PUBLIC AREAS ACCEPTABLE CABLE COVERS IN HIGH VISIBILITY COLOURS TO BE USED OR SUITABLE CABLES TO BE DUG IN.</p> <p>HIGH LEVEL CABLE RUNS TO BE USED WHEREVER POSS</p>	2	2	4		
LPG	C-4	FIRE FOLLOWED BY EXPLOSIONS IN STOCKS OF LIQUID PETROLEUM GAS (LPG)	P S	5	4	20	<p>LPG CYLINDERS TO BE LIMITED TO A MAXIMUM OF ONE SPARE CYLINDER FOR EACH ONE IN USE ON EACH UNIT.</p> <p>VEHICLES AND UNITS TO BE CHECKED ON FOR COMPLIANCE.</p> <p>UNIT OPERATORS TO SUBMIT CERTIFICATION IN ADVANCE THAT GAS INSTALLATION HAS BEEN INSTALLED AND CHECKED WITHIN THE LAST TWELVE MONTHS BY COMPETENT APPROVED CONTRACTOR.</p>	4	2	6		<p>UNITS COOKING FOODS SHOULD BE PROVIDED WITH 1 ABC POWDER FE (2KG) & 1 EIGHT DUTY FIRE BLANKET.</p> <p>UNITS WITH DEEP FAT FRYERS SHOULD ALSO HAVE 6LTR FOAM EXT OR 6LTR ABC</p>

							A LPG STORAGE FACILITY, IF REQUESTED TO BE ESTABLISHED AWAY FROM THE MAIN EVENT AT AN AGREED LOCATION						POWDER EXT.
WASTE STORAGE	C-6	FIRES	P S	4	3	12	WASTE STORAGE CLOSE TO UNITS TO BE PROVIDED IN BINS NO BUILD UP OF CARDBOARD SHOULD BE PERMITTED BY CATERING UNITS	3	2	6			
EMERGENCY SITUATIONS	C-7	INJURIES OR SUDDEN ILLNESS	P S	4	4	16	TRAINED MEDICAL STAFF ON SITE AND IN RADIO CONTACT WITH EVENT CONTROL	4	2	8			
CLEANLINESS OF OPERATION	C-8	FOOD POISONING	P S	5	3	15	EVENT ORGANISER TO ENSURE THAT ALL CATERERS ARE REPUTABLE COMPANIES/INDIVIDUALS AND ABLE TO PRODUCE EVIDENCE OF FOOD HYGIENE TRAINING AND PUBLIC LIABILITY INSURANCE ALL UNITS TO HAVE HAND WASHING FACILITIES, SEPARATE TO FOOD PREP SINKS WITH HOT RUNNING WATER.						

NOTE – THE MOBILE & OUTSIDE CATERERS ASSOCIATION (MOCA) CODE OF PRACTICE PROVIDES GUIDANCE ON GOOD PRACTICE

MARQUEES

CRYSTAL MARQUEES PROVIDE THE MARQUEES TOGETHER WITH RISK ASSESSMENTS AND INSURANCE