

## ARCHERY ACTIVITY RISK ASSESSMENT (RA)

ORGANISATION: THIRSK BOWMEN			LOCATION: Indoor Archery Range, East Thirsk Community Centre			Date: 1st Dec 2017 Revised: 1st Dec 2019			Ref: TB/RA/02	
<b>Activity</b>										
This RA encompasses sporting archery activities being carried out at the identified location.										
<b>NOTE:</b>										
<p>1. Prior to any person or persons being permitted to use Thirsk Bowmen's' Indoor Archery Range they must, as minimum, have undertaken a specific Archery Beginners Course of Instruction encompassing Archery Safety, Theory and Technique. This course may be undertaken by enrolling on a Thirsk Bowmen's Beginners Course or may be undertaken at an external agency under a fast track scheme for which a certificate must be obtained and presented to Thirsk Bowmen as proof of competency. Participants who have used an external agency are also required to undergo a specific range safety induction at the Thirsk Bowmen's Indoor range before being permitted use of the range.</p>										
Hazards Noted	Initial Risk			Existing Controls	Modified Risk			Further Controls Required	Y	N
	S	L	R		S	L	R			
1. Failure of archery equipment during assembly and misuse of Club Equipment.	1	3	L	<p>All members using their own equipment are solely responsible for the safe condition and maintenance of all personal archery equipment.</p> <p>Club equipment leased to (new) members is inspected on an annual basis and upon issue with advice given to members at time of joining on assembly and maintenance. Any defects noted on club equipment is reported immediately to the relevant committee member for either repair or replacement. If doubt exists as to the safety of the club equipment it is NOT to be used until inspected by a</p>	1	2	L			N

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Hazards Noted	Initial Risk			Existing Controls	Modified Risk			Further Controls Required	Y	N
	S	L	R		S	L	R			
(1 continued)				qualified member.						
2. Group shooting: potential for archers or by-standers or spectators to walk into shooting line of archers; (risk of impalement).	4	3	H	<p>During group shooting, archery range is under strict control of qualified Hall Range Captain who ensures no archers cross the shooting line until all archers have finished shooting. Use of both Audible and Visual warnings are in place controlled by Hall Range Captain.</p> <p>All archers participating in group shooting have undergone specific induction training in range safety and awareness of Visual and Audible warnings.</p> <p>Prior to shooting arrows, Hall Range Captain is to ensure area between archers and targets and areas adjacent to sides are clear.</p> <p>Archers are to only loose arrows when given instruction to commence by Hall Range Captain.</p> <p>Once nocked, arrows are to be pointed only to the ground or target.</p> <p>Archers ARE NOT to attempt to recover their arrows until the Hall Range Captain has given audible and</p>	4	2	H			N

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Hazards Noted	Initial Risk			Existing Controls	Modified Risk			Further Controls Required	Y	N
	S	L	R		S	L	R			
(2 continued)				<p>visual indication it is safe to do so.</p> <p>ALL archers are to be vigilant in ensuring no members, spectators or non-archery participants enter the range area; if noted, any archer is to give the command <b><u>“FAST”/“STOP”</u></b> wherein all archers are to cease shooting, un-nock their arrows and stand back from the shooting line. No further archery is to be carried out until the Hall Range Captain gives permission to proceed.</p> <p>Security measures are in place at the indoor range to prevent inadvertent entry of unauthorised persons:</p>						
3. Eye injury resulting from too close proximity to arrows being withdrawn from targets.	3	3	H	<p>All club members trained in range protocols, safety technique and methodology adopted when withdrawing arrows from target. Archer withdrawing arrows are to visually check area directly behind prior to pulling arrows from target; all others are <b><u>not</u></b> to stand directly behind archer withdrawing arrows.</p>	3	1	L			N

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	S	L	R		S	L	R			
4. Injury from falling or toppling bosses.	3	3	H	Archery support frames and bosses have been sturdily manufactured to high specification. They are generally of sufficient weight not to topple during extraction of arrows.	3	1	L			N
5. Bow string injuries (bruising to forearm/elbow, fingertips on drawing hand sustaining bruising and/or blistering).	1	3	L	All archers are required to wear the relevant Personal Protective Equipment (PPE) for archery to prevent such injury (long or short arm brace and either a finger tab or finger glove and the drawing hand).	1	1	L			N
6. Entanglement, (loose items of clothing, jewellery or long hair).	1	3	L	During Initial and induction training, all archers are advised to ensure no loose clothing or jewellery is to be worn. Archers with long hair are advised to tie back hair to ensure it does not come into contact with archery equipment.	1	2	L			N
7. Fire (Flames, Toxic Fumes, Entrapment leading to single or multiple fatalities).	5	2	H	It is incumbent on the Controlling Authority leasing use of the Hall to ensure a specific Fire Safety Risk Assessment has been undertaken and is readily available for consultation of all users of the facility.	5	2	H	<i>Chairman of Thirsk Bowmen to liaise with leasing authority to ensure landlord's legal responsibilities are adhered to.</i>	Y	

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	S	L	R		S	L	R			
(7 continued)				<p>It is also incumbent on the Controlling Authority leasing use of the Hall to ensure that all fire appliances located in the hall are subject to regular inspection and maintenance and are of the correct type for the facility.</p> <p>It is also incumbent on the Controlling Authority leasing use of the Hall to ensure that all fire alarms in the hall are subject to a weekly and recorded test regime.</p>						
8. Obstruction of Fire Exit and securing main doors during shooting.	5	2	H	<p>During use of the Hall for archery, positioning of the target butts obstructs access to an identified Fire Exit. Additionally, during shooting, the main doors and kitchen external access door must be locked to prevent unauthorised access into the hall during live shooting.</p> <p>An assessment has been made by Thirsk Bowmen and it is determined that as all participants are generally located adjacent to other Fire Exits at the opposite end of the obstructed Fire Exit and main doors can easily be opened, the obstruction of the Fire Exit and securing of main doors is an acceptable risk which will NOT hinder emergency egress in the event of a fire.</p>	5	2	H	<i>Chairman of Thirsk Bowmen to ensure all participating archers are briefed on emergency evacuation procedures.</i>	Y	

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9. Slips & Trips (Limited space for storing archery equipment, trailing cables).	2	2	L	<p>Range Captain assesses potential hazard at beginning of session determined on number of participants. Where &amp; when required, archers are instructed to store unused equipment in adjacent hall areas at sides of range with access to retrieve equipment controlled by Range Captain during archery activities. All participants are advised at the commencement of each archery session.</p> <p>All participants are made aware of trailing cables to range lights and every effort is taken to ensure that when positioned the cables do not present an obtrusive trip hazard.</p>	2	2	L			N
10. Personal injury resulting from archers moving bows to and from shooting line in crowded areas: (Potential for eye injury or minor muscle injury from bows, counterbalance rods).	2	2	L	<p>It is incumbent upon all participants to be vigilant in carrying their archery equipment to and from the firing line especially where the area behind the shooting line may be crowded. Particular care must be taken where bows are fitted with extended counter balance rods. All members of Thirsk Bowmen are briefed</p>	2	2	L			N
11. Potential of arrows from high poundage bows (Compound or War Bows)										

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(11 continued)  to either miss #4 Target Boss, or be deflected so as to contact the Hall Fire Door or Glass Panel resulting in damage, breakage or penetration through door or window resulting in possible injury or damage to persons or items external to the Hall.	4	2	H	<p>Safety curtain suspended from rail to protect against penetration of arrows.</p> <p>With effect 1<sup>st</sup> Dec 19, a second safety curtain is suspended in front of Fire Door to minimise risk of arrow penetration.</p> <p>With effect 1<sup>st</sup> Dec 19 all Compound bows and any bow with a poundage above 50lbs is NOT to be used on Target Boss #4</p> <p>With effect 1<sup>st</sup> Dec 19 Target Boss #4 will primarily be used by archers using Bare Bow or Long Bow (incl Flat Bow &amp; Wood Bow variants).</p>	4	1	L				
<p><u>Key</u>    <b>S</b> = Severity – 1. First Aid 2. Reportable 3. Permanent Disablement 4. Fatality 5. Multiple Fatality  <b>L</b> = Likelihood – 1. Negligible 2. Low but possible 3. Possible but not likely 4. Probable 5. Highly likely  <b>R</b> = Risk (S multiplied by L) – 1-4 = L (Low) 5-7 M (Medium) Over 7 H (High)</p>											
<b>Who is affected</b>				<b>Numbers Exposed</b>							
All Archers as Club Members and/or qualified Archers visiting Thirsk Bowmen Indoor Archery Range for organised events or practice.				A B C D							
				X X X							
				A. 1 B. 2-15 C. 16-50 D. 51- and above.							

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