

Centre: CU Revolver and Pistol Club	Date: 11/04/2015	Review Date: 19/02/2020
Risk Assessment:		

<p>Description of the activity, equipment or area under assessment</p> <p>Training and matches shot at the Queen Elizabeth Way Range by CU Revolver and Pistol Club using air pistols and small-bore rifles</p>
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Significant hazards	What could go wrong	Risk level (High, Medium or Low)	Existing control measures	Further actions
Firing live weapons	Any person on the range may be shot	High	Follow standard safe gun handling and storage procedures as set out by NSRA and club rules, e.g. keep guns pointing down range or at ceiling; ensure that all guns are clear before putting into secure storage. <i>Training given to all members as a requisite for membership. If a person is deemed unsafe by the coach or committee, that individual is offered further safety training.</i>	None
Miss-fired rounds	Round may go off unexpectedly some time after trigger has been pulled	Low	Keep weapon pointing down range for 1 minute, then remove miss-fired round and place in designated container. Not applicable to air pistols/rifles.	None
Handling lead rounds	Lead from ammunition rubs onto hands, then enters body through eating etc.	Medium	Always wash hands after handling ammunition	None
Inhalation of propellant fumes	Fumes from fired ammunition builds up in lungs leading to respiratory illness	Low	Ventilation fans are automatically turned on whenever the range lights are turned on.	None
Hearing damage	Prolonged exposure to gunfire may lead to hearing loss	Medium	Ear defense is worn whenever live ammunition is in use. <i>Ear defense is additionally offered to, but not required by, all members during air pistol use.</i>	None

Significant hazards	What could go wrong	Risk level (High, Medium or Low)	Existing control measures	Further actions
Eye damage from ejected rifle cases	Ejected cases may hit adjacent shooters at some speed, possibly in the eye	Low	Shooters are properly spaced when firing. The firing point when using ejecting cases includes screens which block most ejected cases. Shooting glasses are provided by the Club.	None
Injury from recoil	The recoil from rifles could cause minor injury if not properly controlled	Low	Only small-bore ammunition is shot (low recoil) and shooters are trained to hold the rifle correctly	None
Jams and blockages	An inexperienced shooter may try to rectify the problem incorrectly, damaging themselves or the equipment	Low	All shooting is supervised by an experienced Range Conducting Officer familiar with the guns in use.	None
Turning targets	The club's turning targets move quickly with some force and could injure anyone in the way	Medium	When targets are being changed, the controller is left on a table so no buttons are accidentally pressed. Otherwise, whenever the targets are powered, users should keep clear of the turning portions where possible	None
Primers	The primers used for making ammunition can be sensitive to shock and may explode	High	Primers are stored in their proper packaging in a separate safe to any propellant powder. When stacked in the reloading press, they are contained in a specially designed blast tube.	None
Propellant	Nitro-powder & compressed air used in reloading can explode under some circumstances	Medium	The powder is stored in its proper packaging in a separate safe to any primers. It is kept away from heat or direct sunlight.	None
Reloading ammunition	Rounds may be assembled incorrectly causing safety risks later or ignition may be caused during assembly	Medium	All reloading is carried out under the supervision of an experienced member. Only equipment intended for the purpose is used and it is all checked before use. Checks are made during production to ensure the rounds are produced to specification. Eye protection is worn.	None
Travelling to competitions	Road traffic incident, causing minor or severe harm.	Medium	<i>The club has very few trips. For those that do occur, a separate risk assessment is carried out and discussed with both the CURPC members attending and the University Sports Centre.</i>	None

Manual handling	Musculoskeletal injuries	Low	<i>Heavy equipment, e.g. oxygen tank, is handled only the committee. Other members who move heavy equipment do so at their own risk and deem themselves competent to lift safely. We have a First Aider (at least one of: committee or coach) on hand and First Aid kit (within the Range common room & brought on club trips).</i>
Building with only one fire exit	Fire	Medium	<i>We run through the emergency exits with all new and existing members every term. It is the CSA's responsibility to keep the fire alarms in working order. Phone signal is accessible in the range for calling 999. We run a mock fire-alarm procedure once a year.</i>

Any change in the safety of the existing control measures will be re-evaluated and remediated. Near-misses and incidents are documented with the University and flagged to the Cambridge Shooting Association who run the range. This Health and Safety document will be reviewed once a year by the Secretary of the club. The review includes analysis of accident ill health and near misses; Review of risk assessments; Safety breaches; Equipment failure or deterioration; and Review of site. Our expert advice comes from RCO training from the National Governing Body for small-bore firearms (NSRA) and from the NRA. This ensures that our safety guidance is up to date.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye Protection	Yes	No	Type/standard: Shooting glasses
Ear Protection	Yes	No	Type/standard: >20dB reduction earmuffs
Overalls	Yes	No	Type/standard:
Gloves	Yes	No	Type/standard:
Respiratory Protection	Yes	No	Type/standard:
Other	Yes	No	Specify:

HEALTH SURVEILLANCE

Is Special Monitoring required? (e.g. hearing test, eye test, health surveillance).
No

EMERGENCY PROCEDURES

Action to be taken in case of reasonably foreseeable emergencies (e.g. overheating, loss of electricity, flooding): -

Exit range via fire escapes.

Torches are stored in the range.

First Aid kit stored at the range and a First Aider is on hand at the range for training sessions.

Any special First Aid Measures required? No.

ASSESSOR

Name of assessor:	Signature:	Date	Name of Supervisor:	Signature:	Date
Bonan Zhu		15/14/2016			

REVIEW DATES

Reviewed by (name)	Signature	Date	Indicate changes here
Andrei Kanavalau		14/04/2019	Existing control measures for firing live weapons modified to include storage
Jonathan Honey		19/02/2020	Existing control measures have had no injuries or near misses to report. The club continues to vet members for their safety ability and provides further training as appropriate. We also now include a tally sheet to ensure all equipment is accounted for when leaving the range.