

Generic Boatshed Risk Assessment

This document should be read by all persons using the boatshed owned by Totnes Sub-aqua Club, and will be made available to all club members via an annual distribution and on the club website.

It is the user's responsibility to carry out a risk review prior to using the boatshed, based on this generic risk assessment, plus consideration of prevailing conditions. If conditions change such as to be significantly different from those applying at the time the original assessment was undertaken, then the user shall reassess the situation accordingly. Hazards should be continuously monitored and the user should be prepared to put any contingency plans into place at any point during the operation being undertaken in the boatshed.

Standard Controls

This risk assessment shall be read in conjunction with Totnes Sub-aqua Club's compressor risk assessment. However, general hazards associated with the compressor which could impact on users of the boatshed are repeated herein.

Ear defenders are stored adjacent to the compressor and should be worn by the Compressor Operator and any persons rendering assistance, as appropriate.

No smoking is permitted within the boatshed. Boatshed main door to be kept open when shed in use.

Fire extinguishers are provided in the boatshed, adjacent to the pedestrian door and by the compressor. These shall be kept in service and shall be checked regularly to ensure that there has been no loss of pressure.

The boatshed should be kept tidy to minimise the trip hazards and also to reduce the potential fire hazard.

A smoke detector system with external sounder has been installed to provide warning to adjacent occupiers should a fire occur when the boatshed is unoccupied. This should be tested regularly to ensure that it is operational.

As far as practicable, petrol storage should be limited to the boat fuel tanks, with spare fuel cans being filled immediately prior to diving expeditions. Fuel cans should be stored away from potential sources of ignition.

Oxygen cylinders to be kept in external store and not in boatshed. No oxygen decanting to be carried-out in boatshed.

Hazard:	Risk of:	Risk Evaluation:	Controls:	Immediate measures to deal with consequences if risk does occur:
Carbon monoxide poisoning from Shogun exhaust	Injury/death	Medium	Shogun engine only to be run in boatshed if main door open. If possible, move Shogun outside boatshed if necessary to work with engine running. Do not run compressor when Shogun engine is on.	First Aid to be administered. Hospitalise as required.
Cylinder failure/explosion	Serious injury/death to compressor operator/persons in vicinity; damage to property	Medium	Only cylinders that are in test should be filled. Cylinders that are in poor visual condition or whose test date/markings are obscured should not be filled.	First Aid to be administered. Hospitalise as required.
Electrical systems	Injury/death; fire	Medium	All electrical equipment to be fitted and maintained by a suitably qualified electrician and installed to current regulations. Must be capable of operating plant and machinery without overloading the system. No modifications or alterations other than by suitably qualified electricians. Appropriate safety "cut-outs" to be installed as part of system. Avoid operating electrical systems, including reconnecting boat and Shogun battery chargers, with wet hands.	First Aid to be administered. Hospitalise as required. Instigate fire plan as necessary (see "fire" below)
Fire	Serious injury/death; damage to property	Medium	Main boatshed door to be kept open when boatshed in use. Person noticing fire to arrange evacuation of boatshed and Community Centre. Bidwell Brook School and Robins' Respite Centre reception to be advised of fire, as appropriate. A smoke detector system with external sounder has been installed to provide warning to adjacent occupiers should a fire occur when the boatshed	If unable to extinguish fire with fire extinguishers, evacuate building. Contact emergency services – they should be advised of presence of

Hazard:	Risk of:	Risk Evaluation:	Controls:	Immediate measures to deal with consequences if risk does occur:
			<p>is unoccupied. This should be tested regularly to ensure that it is operational.</p> <p>Fire extinguishers are provided in the boatshed, adjacent to the pedestrian door and by the compressor. These shall be kept in service and shall be checked regularly to ensure that there has been no loss of pressure.</p> <p>As far as practicable, petrol storage should be limited to the boat fuel tanks, with spare fuel cans being filled immediately prior to diving expeditions. Fuel cans should be stored away from potential sources of ignition.</p> <p>The boatshed should be kept tidy to reduce the potential fire hazard.</p> <p>No smoking is permitted within the boatshed.</p> <p>Oxygen cylinders to be kept in external store and not in boatshed. Signage to be provided to identify presence of flammable liquids and oxidizing agents.</p>	<p>compressed gas cylinders and boat fuel.</p>
Fragile roof	Serious injury/death	Medium	No one to access roof without proper crawl boards. Signage to be provided to identify fragile roof covering.	First Aid to be administered. Hospitalise, as required.
Lifting shots, dive gear, etc	Injury	Medium	Care to be taken to use correct posture to avoid placing un-necessary strain on back when lifting heavy shots or other equipment or heavy dive gear, e.g. twinset. Lift to be undertaken by more than one person where practicable.	First Aid to be administered. Hospitalise, as required.






Hazard:	Risk of:	Risk Evaluation:	Controls:	Immediate measures to deal with consequences if risk does occur:
Person falling from loft ladder or when getting into/out of boats	Serious injury to individual or any person beneath them	Medium	Users to ensure they are never beneath someone who is climbing up ladder or entering/exiting boats. If using ladder keep three points of contact wherever possible. Use trailer stepping points when getting into/out of boats.	First Aid to be administered. Hospitalise, as required.
Air under pressure	Injury from flying debris/flailing hoses and fittings	Low	Only trained competent persons to operate compressor.	First Aid to be administered. Hospitalise as required.
Asbestos cement roof	Injury (asbestosis)	Low	Asbestos cement does not present a problem unless disturbed. No work to be undertaken on roof unless appropriate method statement and procedures in place. If a/c requires disposal, it should not be broken and should be disposed of to an appropriately licensed disposal facility. If broken, appropriate PPE to be worn, and material to be bagged and sealed prior to disposal.	
Boatshed up and over door – unexpected closure	Injury to diver/general public	Low	Users to ensure that door restraining catches fully engaged when door opened. Equipment officer to ensure catches maintained in operational condition.	First Aid to be administered. Hospitalise, as required.
Injury from falling cylinders	Injury to compressor operator/persons in vicinity	Low	Divers to avoid leaving cylinders standing upright other than local to compressor, particularly if unattended.	First Aid to be administered.
Moving boats – loss of control/crush injury	Injury to diver/general public	Low	Dive Manager/tower to ensure that everyone is familiar with procedures for hitching/towing of boats. General public to be kept clear of immediate area during these operations by	First Aid to be administered. Hospitalise, as required.

Hazard:	Risk of:	Risk Evaluation:	Controls:	Immediate measures to deal with consequences if risk does occur:
			means of tape barrier, use of "banksman", or other appropriate method.	
Noise	Hearing damage	Low	Ear defenders to be worn by compressor operator and any persons rendering assistance/working in vicinity, as appropriate.	
Storage banks	Serious injury	Low	Storage banks to be securely fixed to wall. If it is necessary to move a bank, the lift should be fully planned and only undertaken with the correct equipment and training.	First Aid to be administered. Hospitalise as required.
Trailer maintenance – jack failure	Injury	Low	Equipment officer to ensure that any individual working on boat trailers is familiar with trolley jack operation and provides secondary means of support in case of jack failure.	First Aid to be administered. Hospitalise, as required.
Trips, slips and falls	Injury; damage to equipment	Low	The boatshed should be kept tidy to minimise the trip hazards. Users to be aware that floor of boatshed is prone to flood in heavy rain if external drain blocks and can also become wet when boats washed down, and wet concrete is slippery. In the case of cold weather, all users should exercise extreme caution, as there is a risk of icy walking surface. Divers should exercise caution when carrying diving equipment.	Remove casualty from danger and administer first aid. Hospitalise, as required.

General Fire Safety Precaution Plan



Key

-  Break glass call point
-  Fire extinguisher
-  Fire exit sign
-  Smoke detector
-  External sounder/light

Fire Action Procedure for TSAC boatshed

Any person discovering a fire should:

1. Sound the alarm using the break glass by the boatshed door
2. Call 999 and ask for the fire brigade – tell them there is stored petrol and compressed gas cylinders in the boatshed
3. Tell the staff in Meadowbrook Community Centre, and any pool and play area users, so they can activate their own fire evacuation procedure
4. If safe to do so, use the fire extinguishers in the boatshed to attack the fire
5. Bidwell Brook School and Robins' Respite Centre reception to be advised of fire
6. Everyone to assembly point on tennis courts