



Marina Safety

Vessel Inspection Form

Club by-laws set minimum requirements for all vessels occupying pens or lying alongside any wharf or jetty at the Club. The inspection process detailed in this document will verify compliance with these standards and, once completed, shall constitute a Certificate of Compliance in accordance with the by-laws.

Certificates of Compliance are valid for a period of five years; however, it is the Owners responsibility to ensure that vessels comply with the requirements of the inspection at all times.

These standards should not be construed as providing a complete set of safety standards as the safety of each craft and its occupants is the responsibility of its Owner.

Please contact an inspector nominated by the Club (see below) to arrange a convenient time for the inspection. ***Owners are reminded that Club inspectors are fellow members and volunteers and should make every endeavor to turn up for inspections on time.***

Completed forms should be signed by owners and the inspector before being lodged at the Club Office.

Please keep a copy of the completed form for your own records.

Inspector	Mobile	E-mail
Zac Armanasco	0438 984 954	az@armanasco.net
Rick Blair	0418 333 934	rickblair47@gmail.com
David Mills	0413 189 903	downstream@iinet.net.au
Peter Milner	0418 942 068	p.milner@bigpond.com
Wyborn Seabrook	0439 085 328	wyborn@bigpond.com
Steve Ward	0419 989 073	sewardco@gmail.com

Marina Safety By-Law Compliance Checklist

Vessel Name:

Owner(s) Name:

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Inspector Name: Date:/...../.....

PASS FAIL

Remarks:

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Fuel System

Fuel Type: Diesel Petrol

Number of Tanks: _____ Total Capacity: _____

Type of tanks

- Copper (Not recommended for Diesel)
- Fibreglass (Manufacturers certificate to be produced)
- Aluminium
- Stainless Steel
- Other _____
- Test Certificate as required by safety inspector

Metal Tanks Seams

- Welded Soldered Rivets

Tank Installation

- Galvanic Barrier (aluminium tanks only)
- Tank Adequately supported and secured
- Integral (only for steel or aluminium vessel - survey certificate required)

Filling Point / Earthing

- Deck Filler with metal or composite material nozzle
- Deck Filler earthed to tank (petrol engines only, where filler and tank are metal)

Filler-to-tank connection

- Fuel resistant hose fitted with two hose clamps at each end.
- Metal pipe fitted with above at each end

Tank Venting

- Metal pipe with flared connections
OR
- Fuel resistant hose with hose clamps or flared connections, at each end
- Breather pipe rising from tank, free from sags

Fuel Draw-off and Return

- Approved cock at tank supply outlets (if practical)
 - Ball Cock Diaphragm valve Gate valve (Not recommended for petrol)

Please note exceptions here: _____

- Metal fuel pipe with flared or cone end fittings
- Proprietary reinforced hose with flare end fittings or double stainless hose clamps for final connection between fuel tank and engines.
- Sight gauges fitted with automatic or spring-loaded closure valve at tank outlets to gauge.
- Engines earthed to the fuel tanks. (mandatory for petrol, recommended for diesel)

Inboard petrol engines

- Up draught carburetors to have bronze gauged covered metal drip tray under carburetor.
- Carburetors to be fitted with flash arrestors.
- Approved extractor fan fitted to remove fumes from engine room spaces.

LPG (Gas) Installation

Gas installation: Yes No

If yes, please enter Energy Safety Compliance badge number: _____

(Aluminum tag supplied by a licensed gas fitter)

Alarm system, gas detector test for effective operation.

PLEASE NOTE: The use of portable butane type cookers is strictly forbidden

Fire Extinguishers

Length of vessel	No Required	Length of Vessel	No required
Up to- 7.5m	1	12.5m-15m	4
7.5m-10m	2	15m-17.5m	5
10m-12.5m	3	For each additional 2.5m	+ 1

- Extinguishers conform to:
- AS 1841.1 Or 1841.4 Foam type
 - AS 1841.1 Or 1841.5 Dry Chemical Type
 - AS 1841.1 Or 1841.6 Carbon Dioxide Type
 - AS 1841.1 Or 1841.7 Vaporising Liquid
 - Extinguishers should be in good condition. It is the owner's responsibility to ensure that they are replaced when required.

Minimum capacity for any extinguishers is 10 BE

Automatic Extinguishing system fitted in machinery spaces:
(Mandatory for vessels with total fuel tank capacity exceeding 3000 liters)

Comments / Action Required: _____

Electrical System

General

- All batteries adequately secured in acid-proof containers
- All master switches of fully enclosed type
- Switchboard of fire resistant non-conducting material
- All wiring in good condition, adequately supported
- Generators, starter motors, regulators, relays and auxiliary electrical equipment of approved marine type
- All circuits fitted with individual fuses

Automatic Bilge Pump (Required on all vessels with inboard and permanent outboard engines)

- Wired in separate circuit with fuse
- Requirement Waived – if this requirement is impractical, please state the reasons here:-

Shore power

- 240v wiring to AS/NZS 3000 (or equivalent) requirements
- Certificate to be produced as required
- AS/NZS 3000 (or equivalent) approved connector on Vessel (Marinco European plugs are acceptable)
- Flexible double-insulated three-core shore lead with water proof connections
- Suitable circuit breaker fitted vessel end (15 ampere or higher as appropriate)
- Power lead tested and tagged**

Bilges

- Oil-absorbing “bilge-sock” fitted in appropriate location
 - Note: Bilge-socks should be inspected at least once a month and replaced as necessary. Bilge socks may be disposed of in the Club’s general waste facility.
- Bilges check for cleanliness and absence of fuel, oil, coolants or other contaminants

Comments: _____

Other Requirements

Insurance

- Active Racing Yacht / Nominated in RevSport?
- Minimum THIRD-PARTY liability sum insured \$10 million
- 'Racing Cover' if intending on participating in Club Racing events
- Copy of Certificate of Currency Attached

Note: Vessels must meet this requirement at all times whilst stored at the Club.

Mooring Lines

- Compliant with Club Mooring Lines Policy (see attached)

Comments / Action Required:

Identification Requirements

- Name of boat clearly marked
- Boat Rego number (if applicable)
- "RFBYC" on transom

Comments / Action Required:

MARINA MOORING LINES POLICY

Policy Title:	Marina Mooring Lines Policy
Current Issue Number:	1.04
Approved By & Date:	General Committee 22 April 2021
Date of Release:	1 May 2021
Location of Document	R:\Resource\Policy & Procedures\Policies\Mooring Policies

- All Vessels shall be moored as directed by the Harbour Berthing Committee.
- The Club is responsible for the fixtures up to and including the jetty and pylon eyebolts. The Pen Occupier is responsible for notifying the Harbour and Berthing Committee of unacceptable wear to the jetty or pylon eyebolt rings or the first large shackle (if provided by the Club).
- The Pen Occupier is responsible for the installation, maintenance and suitability of their mooring gear and mooring arrangement.
- The following table specifies the sizes and materials for mooring gear that shall be fitted as a minimum:

Overall length of vessel	Minimum diameter of mooring lines (Polypropylene)	Drop chain link & shackle diameter (Galvanised)	Pen weight (plastic coated concrete)
Up to 6 m	12 mm	12 mm	12 Kg
6 to 10 m	16 mm	12 mm	12 Kg
10 to 14	20 mm	16 mm	20 Kg
More than 14m	24 mm	16 mm	20 Kg

- Stainless steel shackles shall not be used for attachment to the jetty or pylon eyebolt rings or the first large shackle if provided.
- Bow, stern and springer lines shall:
 - have an eye spliced in the vessel end;
 - have an eye spliced with a metal galvanised thimble at the chain end;
 - be attached with a shackle to the chain; and
 - not use knots for attachment.
- Where possible the mooring weights should be submerged in the water. For pens with high level eye bolts the potential for having weights out of the water and/or the use of retaining straps may be considered, refer to item 14.
- Rubber mooring snubbers / compensators may be used in addition to, but not in place of pen weights, refer to item 14.
- Mooring lines are to be reasonably tensioned to retain the vessel in the pen at all levels of the tide.
- Springer lines are to be used to retain the vessel from colliding with the jetty, pylons or other adjacent vessels. It is recognised that some arrangements do not need Springer Lines, refer to item 14.

11. Zero stretch ropes such as Kevlar, Dyneema and Spectre shall not be used for mooring gear.
12. The following shall not be done without the permission of the Harbour and Berthing Committee:
 - a. attaching materials to pylons or jetty;
 - b. attaching or cantilevering access steps from the jetty; and
 - c. the installation of 'floating brick docks', as this requires specific installation requirements to be considered for most pens. These are not permitted for vessels larger than 8m in length or more than 2500kg total weight.
 - d. the installation of 'air ballasted floating docks', as this requires specific installation requirements to be considered for most pens. No apparatus associated with the docking system is permitted on the jetty.
13. Mooring gear or arrangements which are considered unsafe may be required to be refitted at the direction of the Harbour Berthing Committee.
14. A typical arrangement of the mooring lines should be as shown Figures 1 & 2. It is recognised that variations to the typical arrangement may be required for the differing boats and conditions in various parts of the marina. Should the Pen Occupier wish to install a different arrangement, then permission of the Harbour and Berthing Committee should be sought.

Figure 1 – Typical Mooring Detail

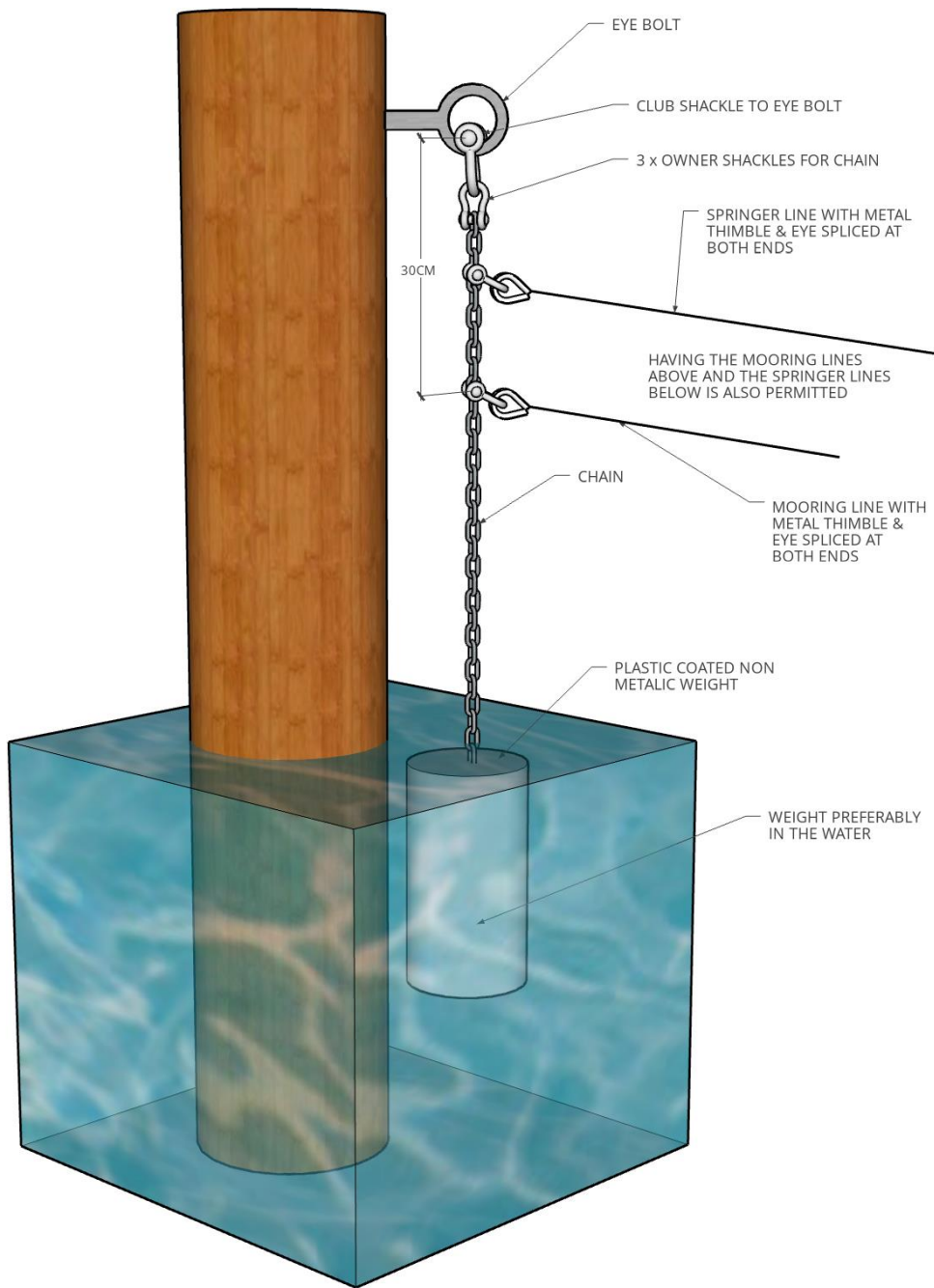
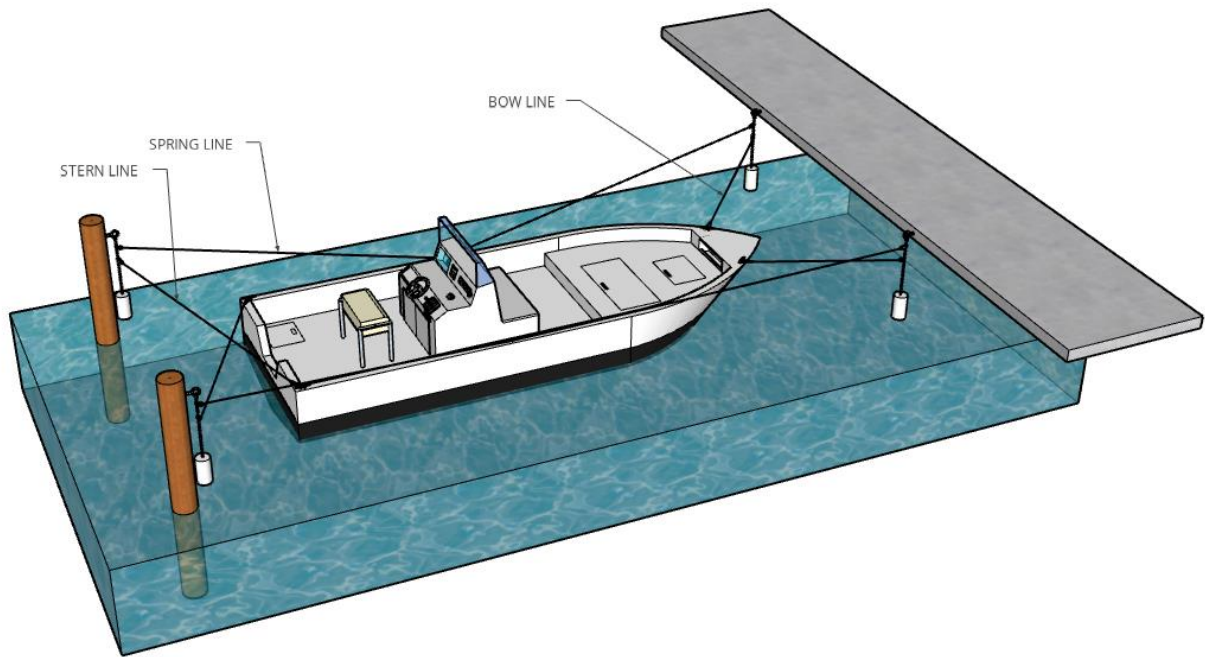


Figure 2 – Typical Mooring Arrangement





Government of **Western Australia**
Department of Commerce
Energy Safety

Your guide to **Using gas safely in marine craft**



A guide for safely using gas in a marine craft

Using gas safely in marine craft

When was the last time you checked your LP gas installation?

Follow this simple checklist to see if your marine craft is safe and complies with the regulations.



- ✓ The gas cylinder should be firmly secured and cylinder valves readily accessible for ease of operation.
- ✓ Cylinder compartments must:
 - Provide adequate protection against the weather.
 - Be constructed of material which is water and corrosion resistant.



Warning labels should be displayed next to the cylinder and appliance

- Be drained and vented to the outside atmosphere to prevent any accumulation of leaking gas within any enclosed area of the marine craft.
- ✓ Filling damaged or out-of-test-date cylinders is illegal and can be dangerous.
- ✓ Out of date cylinders must not be filled until tested and re-stamped by a certified gas cylinder test station.
- ✓ Ensure any installed gas refrigerator is sealed in a cupboard or enclosed compartment and is vented to the outside.

- ✓ Ensure the craft has adequate fixed ventilation.
- ✓ Regularly check the operation of all gas appliances and, if not functioning correctly, have them checked by an authorised gas fitter.
- ✓ Manual shut-off valves must be fitted to the inlet connection of each appliance and be accessible for operation.
- ✓ Use the cooking appliance or stove only for the purpose for which it was designed – cooking, eg not as a room heater.
- ✓ High pressure appliances must not be permanently installed in a marine craft, unless approved by a designated gas inspector.



Combustible gas detection systems

- ✓ Gas appliances must not be installed in a marine craft below the level of the main deck, unless an approved combustible gas detection system is installed.
- ✓ A typical gas detection installation consists of a control panel, solenoid valve and a minimum of two sensors.

Gas detection equipment





Safety tips

1. Close appliance operating knobs before opening cylinder valve.
2. Periodically check connections for leaks at the appliance, regulator and cylinder with soapy water.
3. Never use a match or flame when checking for leaks.
4. Close cylinder valve when appliances are not in use or when the gas cylinder is being filled.
5. Never leave an appliance with a continuous burning flame operating in any petrol driven vessel if unattended for a period of 12 hours or more.



6. Use the cooking appliance or stove only for the purpose for which it was designed – cooking, eg not as a room heater.

7. In the event of fire, immediately close cylinder valve.
8. Check the flammable gas detector, to determine if flammable vapours are present and the vessel cleared of any flammable vapour before lighting any LP gas appliance or starting the motor.
9. All spare gas cylinders, whether full or empty must be fitted with gas tight sealing plugs and all cylinder valves closed.
10. A licensed gas fitter must perform all additions or alterations to the LP gas system. (Consult your LP gas supplier.)
11. Appliances must not be altered without the authorisation of a gas inspector or the manufacturer and the work must be carried out by a licensed gas fitter.
12. Familiarise yourself with the odour of unburnt LP gas, to assist in the early detection of leaks.
13. All permanent ventilators, flues and vents should be checked regularly to ensure they are clear.
14. In the event of an accidental gas leak, close the cylinder valve and ventilate the vessel until the air is clear.

LP gas storage





Regulatory requirements

Any installation, servicing and repair work to the LP gas system can only legally be carried out by a gas fitter licensed by EnergySafety.

All licensed gas fitters are issued with a certificate of competency, permit or authorisation on the basis of their qualifications.

You can easily check if the gas fitter is licensed by requesting their licence number and contacting EnergySafety's Licensing Office for confirmation (details on back cover).

Unauthorised and do it yourself work is illegal and can result in prosecution.

Gasfitting is a job for the experts – always employ an authorised gas fitter.

The gas fitter who carries out any installation work must:

- Fix a compliance label to the vessel in a conspicuous position.

The Compliance Label is a statement from the gas fitter confirming compliance with regulatory requirements. It includes additional important information such as the gas fitter's details, Notice of Completion number and installation date.

- Provide you with a copy of the Notice of Completion specifying that the work complies with the Gas Standards (Gasfitting and Consumer Gas Installation) Regulations.
- Consider fitting fiddle rails and pot holders to cooking appliance to prevent unintentional movement of cooking utensils.
- Ensure any installed gas refrigerator, is sealed in a cupboard or other enclosed compartment and vented to the outside.
- Ensure that gas appliances are not installed or fitted in any marine craft exit or means of escape and must be located so that, in the event of a fire, the appliance will not impede anyone attempting to leave the craft.



Note: For commercial marine craft, the West Australian Department of Transport may have additional requirements which are detailed in the Uniform Shipping Laws Code.

For more information, contact Transport on (08) 9216 8237.

Advice is available by contacting the following gas suppliers:

Origin Energy Tel: 13 24 62

BOC Gases Tel: 13 12 62

EnergySafety Tel: (08) 9422 5200