

QFES REFERRAL AGENCY RESPONSE

5. Building work where fire hydrant coverage is via a single feed hydrant for a marina

The information contained within this document can be considered as Queensland Fire and Emergency Services (QFES) referral agency response before an application is made to the Assessment Manager for the particular type of building work mentioned below.

For building work involving a marina where:

- » A double-headed pillar or street hydrant (feed) is to be used to satisfy the Fire Hydrant System – Design Solution 1 outlined in the [Guidelines for Fire Safety Systems in Marinas](#).

Advice

Provided that the requirements of Fire System – Design Solution 1 and the additional advice contained within have been adhered to it is discretionary as to whether further advice needs to be sought from QFES.

Option to submit Request for Assessment

If the proposed building work meets the scope reduction criteria, a Request for Assessment may still be submitted, at the discretion of the Assessment Manager/certifier. In such cases, the normal QFES assessment process will be undertaken and fees charged accordingly.

Clarification

This information is provided to assist the applicant/ Assessment Manager to ensure that the type of building work identified in this SRI is designed and installed to satisfy QFES operational and legislative requirements. This information sheet must be read in conjunction with the [General requirements of the QFES Scope Reduction Initiative](#). Refer also to [Guidelines for Fire Safety Systems in Marinas](#).

Referral Jurisdiction

QFES is identified as an advice agency under the *Planning Regulation 2017* for operational work made assessable under the Act, that is:

- » Tidal work and
- » Involves a marina, as defined under the *Transport Operations (Marine Pollution) Act 1995*, with more than six vessel berths.

Location and suitability of pillar hydrants

- » Outlets must have 65mm Queensland round thread
- » Outlets must be not less than 750mm and not more than 1200mm above the ground or platform
- » Outlets facing away from the wall immediately behind, if any
- » Outlets facing towards appliance hardstand (for feeds) and facing towards building (for attack)
- » Outlets must be horizontal or sloping not more than 35 degrees below the horizontal (sloping preferred)
- » Outlets must be equipped with protective caps and retaining chains
- » Clearance of 1,000mm shall be provided directly in front of the hydrant outlets
- » Not less than 100mm clearance around the valve handwheel is required when in fully open position
- » Not less than 300mm clearance around each outlet through an arc of 225 degrees is required to facilitate hose coupling
- » Handwheels must have a diameter of not less than 150mm
- » Handwheels must have the word 'Closed' marked on them with the relevant direction indicated with an arrow
- » The pillar and hydrant valves must be painted red
- » The pillar hydrant must be protected from mechanical and physical damage, e.g. protection from vehicular traffic can be achieved with suitable bollards;
- » The pillar hydrant must be supported with a concrete surround at the base 450x450x450mm to a height of 25mm above finished ground level
- » Yellow 'Test' tag must be fitted and stamped with commissioning date, and
- » Where vandalism poses a problem, a method to provide security may be used but must be locked with a '003' fire service key and easily accessible.