



Queensland Fire and Rescue Service
Built Environment
Building Approvals

B.Ap 2.2
Design of Hydraulic Systems

Purpose

Provide the parameters for the design of hydraulic systems to meet the specified performance requirements for special fire services in schedule 2A Part 2 of the *Integrated Planning Regulations 1998*.

Historical

There has been a significant change in the management of water over the past five years and many previously accepted practices are no longer acceptable.

Historically a pressure test of the mains would be taken and systems designed to that level. Now many local authorities identify the minimum amount of water pressure that they will guarantee to provide at the point of supply to a site.

Legislation

Fire and Rescue Service Act 1990
Building Code of Australia
Australian Standard 2419
Australian Standard 2118

Policy

Hydraulic and fire services designers must design systems:

1. So that the system will perform as designed with the current water pressures in the town's mains or other water supply systems; and
2. The system will also achieve the required performance when the local authority guaranteed minimum level of water supply is being provided.

If there is no local authority guaranteed minimum level of water supply then the system must be designed to assume that there is zero supply of water.



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