AHSCA Presentation

- FPAA101D Dry Hydrant System
- AS2118.1-2017 ‘Combined’ Flow Exemption
- QFES’ Position on Historic Hydrant System Performance

FIRE & RESCUE SERVICE

QUEENSLAND FIRE AND EMERGENCY SERVICES

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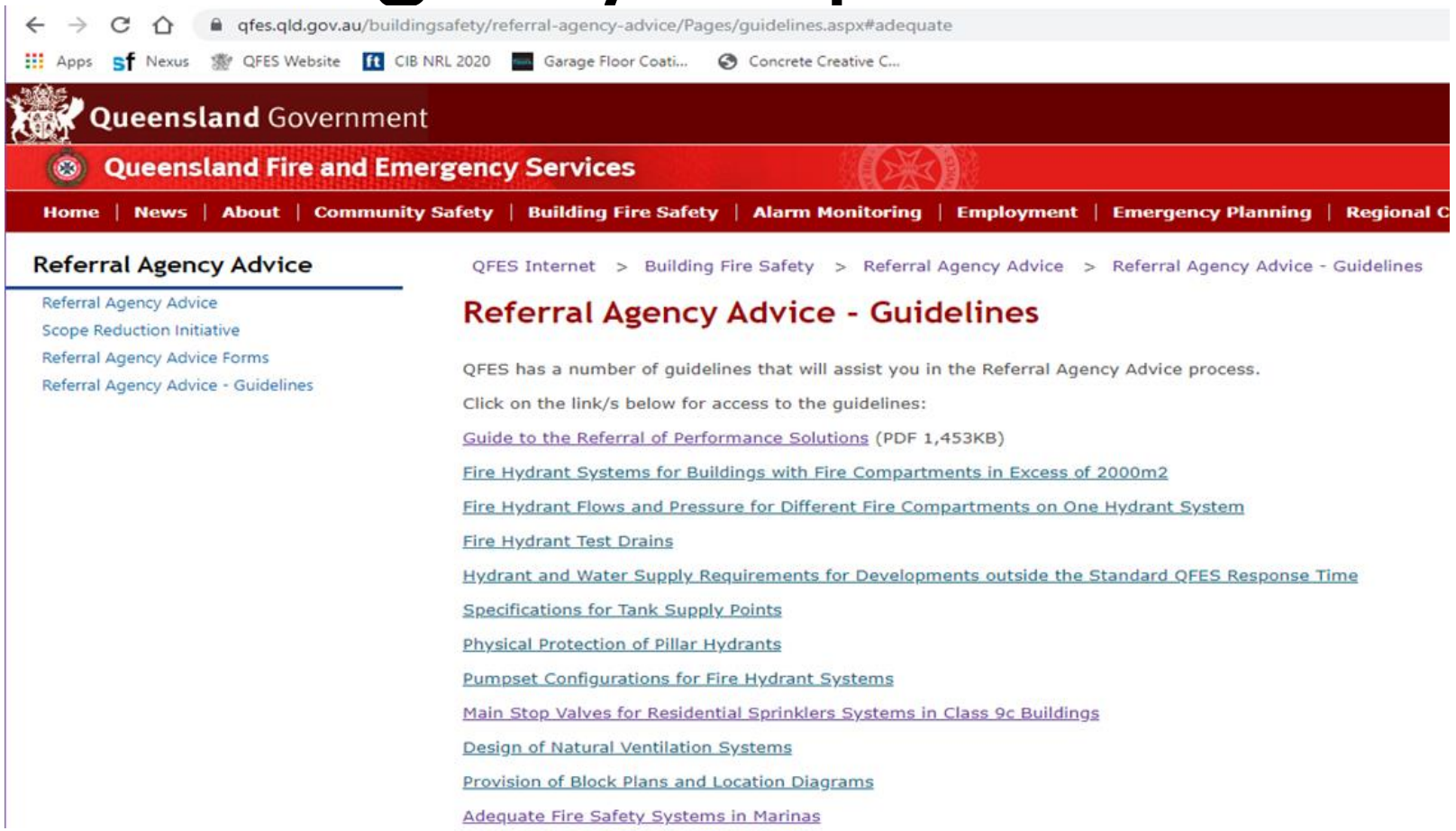
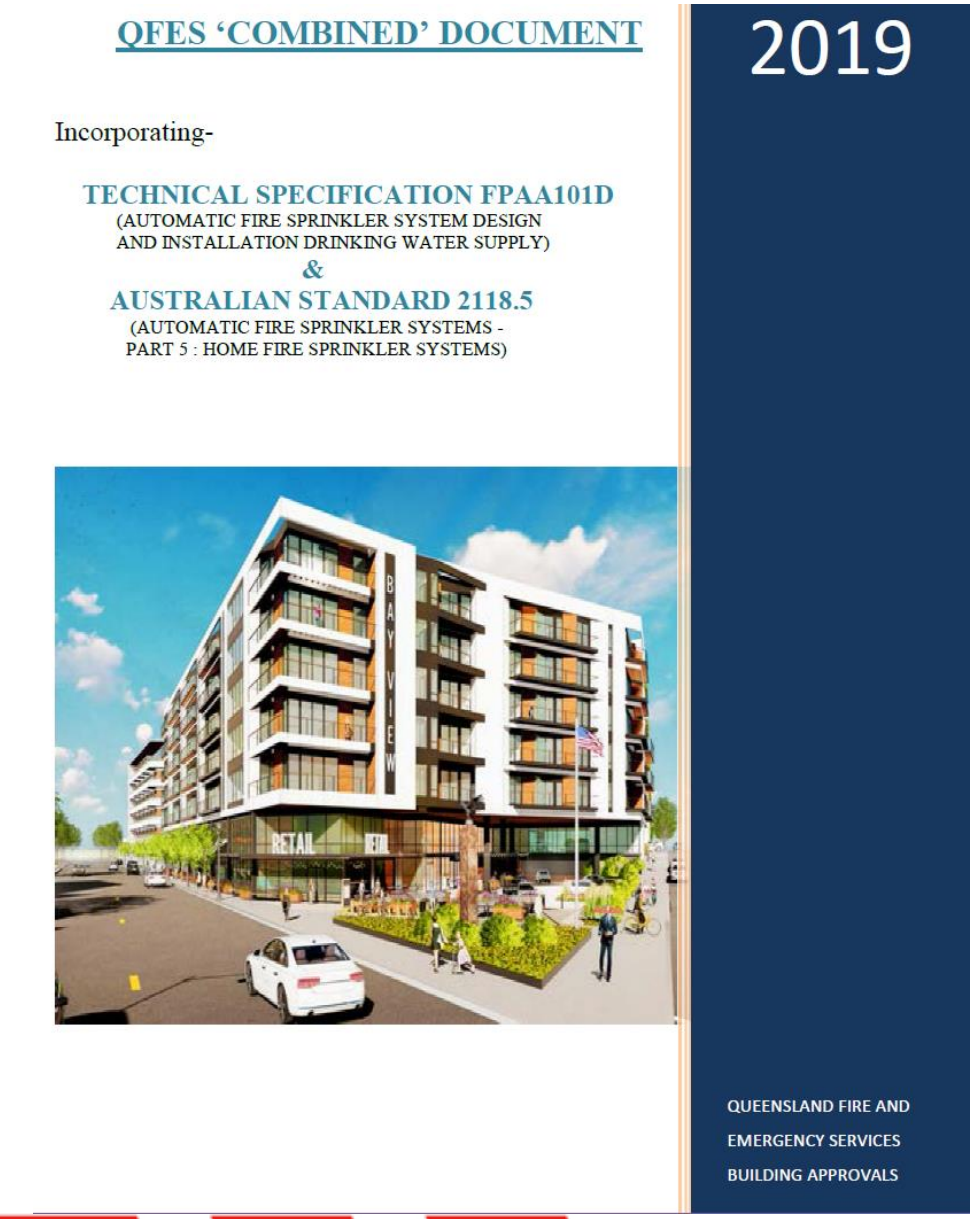
QFES' Application of Policies to Referral Agency Response





FPAA101D Dry Hydrant Systems

QFES' GUIDELINE (required additional elements to AS2419.1-2005):

Installation of a **hydrant booster cabinet** (optional in AS2419.1).

Signage on HBC - "DRY FIRE HYDRANT BOOSTER INLET".

Block Plan - in addition to relevant requirements of AS2419.1, indication of primary and secondary street feed hydrant and sprinkler floor isolation valve location for each level.

Signage at each internal hydrant valve - "DRY FIRE HYDRANT SYSTEM – MUST BE BOOSTED PRIOR TO ANY FIREFIGHTING".

A **test facility** at the most disadvantaged hydrant and in each pressure zone and/or tower of a united building.

A **Form 71** at QFES' Inspection to be provided – Parts B, D and E to be completed.

Draft AFAC Guidelines

afac

Dry Hydrant Guideline Explanatory Document

Contents

afac

Operational Procedures and Training Considerations for Hydrants

Working DRAFT

GUIDELINE
Version 0.8
2/7/2020
Procedural
Publication ID: tbc

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Design, Installation and Maintenance Requirements for Dry Hydrants

Working DRAFT

GUIDELINE
Version 0.8
2/07/2020
Procedural
Publication ID: tbc

QFES' Position on AS2118.1-2017 Exemption to Require Combined Hydrant Sprinkler Flow Demand

4.3 WATER SUPPLY FROM RETICULATED TOWN MAIN

4.3.1 General

(e) As an exception to (c) and (d) above, where only a car parking compartment of a building is provided with sprinkler protection, then the town main shall be capable of applying pressure and flow demands for the sprinkler system without considering simultaneous hydrant flows.

C4.3.1 Where a town main supplies a sprinkler system, it should be capable of providing simultaneously the required flow for fire hydrants. It is expected that the fire brigade would not isolate the sprinkler system until the fire is extinguished and may use the hydrants to supplement sprinkler operation.

QFES' Position on Historic Hydrant System Performance

Minimum required performance for QFES' current branches is 10L/s@350kPa.

Therefore, when assessing or inspecting hydrant systems for fit-outs in pre-November 1994 buildings, QFES will provide a "Not Suitable" assessment result if the existing hydrant system:-

- Does not achieve current day performance requirements (flows and/or pressure).
- Has hydrants that are located in a position that are not compatible with QFES' operational procedures.
- Has hydrant coverage that exceeds current day requirements (30m + 10m internal, 60m + 10m external).

Questions?

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