



POSITION STATEMENT SUMMARY

Automatic storage and retrieval systems (ASRS)

Position

Effective 5 December 2024, the following is a position of Fire and Rescue NSW (FRNSW):

Building proponents must address the fire safety and other risks associated with the storage of flammable goods (dangerous goods class 2, 3 and 4) within any top loading ASRS. The risk mitigation measures should be documented as part of the design and approval process, including any Preliminary Hazard Analysis and Fire Safety Study undertaken.

FRNSW also recommend consideration be given to Appendix C.3 “Automatic storage and retrieval systems” of AS 2419.1:2021 – *Fire hydrant installations, Part 1: System design, installation and commissioning*, when designing fire protection systems in buildings that contain an ASRS.

Reference must be made to the FRNSW website to ensure this position is current at the time of use, and this position has not been superseded or revoked.

Summary

This position statement supersedes the previous position last updated on 29 April 2024. The position has been amended to alert building proponents of the need to consider the risks associated with the storage of flammable goods (dangerous goods class 2, 3 and 4) due to the configuration of top loading ASRS. The mitigation measures need to be appropriately documented during the design and approval process, including any reports that may be referred to FRNSW.

The position also directs building proponents to the relevant section of the applicable Standard, Appendix C.3 “Automatic storage and retrieval systems” of AS 2419.1:2021, for consideration during the design phase.

This position statement has been authorised for release by Chief Superintendent Fire Safety, FRNSW.

Contact us

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