

Audit

95: Fire Protection

(Commercial/Industrial Fire Sprinkler System)

Performance and Compliance Check

Level 1 and Level 2 Faults

LEVEL 1

- Are the materials used fit for their intended purpose and where required appropriately authorised?
- Are the cross-connection control and backflow protection provisions in accordance with the standards?
- Have the design / installation specifications been checked and met?
- Are the required minimum flow rates met?
- Have all the testing and commissioning checks been activated?
- Have the water levels in tanks been established?
- Have all the approved identification markings been installed?

LEVEL 2

- Are all the sprinklers compatible?
- Is the positioning of sprinklers correct?
- Does the installation have the correct pipework support?
- Does the installation have the correct depth of cover?
- Where required does the installation have the appropriate frost protection?
- Are the sprinklers clear of obstructions?
- Do the storage tanks comply?
- Has a site plan been provided at each alarm activation device?
- Have all the warning signs been provided?
- Has a copy of the working drawings been provided to the occupier?
- Where required, has a modification application been submitted and approved?
- Have the manufacturer's installation instructions been adhered to?

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- Has the class of plumbing been indicated on the compliance certificate?
- Where relevant, has documentation for a performance solution been provided?

REFERENCES

Does the installation comply with the minimum industry standards:

- AS 1530.3: Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release
- AS/NZS 3500.1: Plumbing and drainage Part 1: Water services
- AS 2118: Automatic fire sprinkler systems Part 1: General requirements Part 6: Combined sprinklers and hydrants & Part 9: Piping support and installation
- AS 2441: Installation of fire hose reels
- AS 2941: Fixed fire protection installations – Pump set systems
- The requirements of Part B4 of the Plumbing Code of Australia (PCA)
- The relevant manufacturer's Installation Instructions
- The Plumbing Regulations 2008

NOTES

The standards and audit items listed on this checklist are intended as a guide only and are not an exhaustive list.

Other standards may be applicable to the installation and should be referenced as required, additionally Audit items may alter dependent on actual work conducted and final installation.

Practitioners are advised to check that they are using the most current edition of the prescribed standards at the time of installation.