

# AON SPRINKLER CERTIFICATION

**Aon New Zealand**  
Aon Sprinkler Certification  
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## Aon Sprinkler Certification Technical Note

<b>Note Number:</b> TN-14-12	<b>Issue:</b> 1	<b>Date:</b> 2 July 2014
<b>Subject</b>	<b>Water Supply Tests – Guidance to Inspection Personnel</b>	
Notice: Aon Sprinkler Certification Technical Notes provide guidance notes which may be used in certification of sprinkler installations by Aon New Zealand. If sprinkler installations are being certified by any other Sprinkler System Certifier, these Technical Notes may not apply.		

When certifying installations, Aon will expect that recent and comprehensive water supply test data be provided, including all relevant information pertaining to any pump sets installed (eg, suction, discharge, test return pressures plotted against engine speed.).

### New Installations

For new installations, flow test results will generally be required to be no older than 3 months. Exceptions may be made if there is significant margin<sup>1</sup> between the tested actual supply curve and the calculated system hydraulic demand. In this instance Aon may accept the date of the flow test being no greater than six months, if 50mm drain tests and / or pump test return results show no water supply deterioration.

### Existing Installations

Unless there is evidence to the contrary, Aon will accept water supply tests from endorsed biennial survey reports, up to six months old.

If there is a significant margin between the supply and demand, Aon will accept water supply tests up to 12 months old, if 50mm drain tests show no deterioration. Such exceptions will follow the concepts of those outlined for new installations.



**Technical Services Manager**

<sup>1</sup> An example of a significant margin for a town's main supply would be if the design duty is no more than 60% of the water supply curve.