



# Firefighting Water Supplies

## Alternative Water Supplies Checklist

**Owners Name(s):**

**Date:**

**Property Address:**

**Contact Information:**

### Alternative Water Supply Requirements for Residential Properties

Capacity: Section 4.4 SNZ PAS 4509:2008 (See Table 1 & Table 2)	Yes	No	N/A
Residential properties that do not have an installed sprinkler system require either:			
45,000 litres of retained water is stored within a water tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45,000 litres of retained water stored within either a pond, lake, dam, or waterway. A minimum depth of one metre is required at the fire-fighters access point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A reduction of retained water to 20,000 litres for firefighting has been granted by District Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A reduction of retained water to 20,000 litres for firefighting has been granted by Fire and Emergency New Zealand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access: Section 6.1 SNZ PAS 4509:2008	Yes	No	N/A
The access way and hard-standing area must be able to support a 20-tonne vehicle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any bridges over creeks/water races must be engineered to support a 20-tonne vehicle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The access way that leads to the alternative water supply must be a minimum of four metres wide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The hard-standing area must have a minimum width of four-and-a half metres and a minimum length of eleven metres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access ways must have a minimum four metre overhead clearance height (overhanging trees, utility cables, building eaves)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The gradient of the access way should not exceed 16% (rise of access/length of access x 100=%)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access to the alternative water supply should not pass within six metres of any part of any building (radiant heat risk)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Appliance can manoeuvre and exit from the water supply. Seventeen and a half metre turning circle can be achieved

Location: Section – Appendix B SNZ PAS 4509:2008  Yes  No  N/A

Access to the water supply must always be trafficable and unimpeded

The water supply/connection point must be within 90 metres of the structure being protected

Supply must always be suitable for firefighting purposes (not stagnant or contain a biological hazard)

The water supply/connection point must not be within six metres of any structure being protected

Clearly identifiable signage must be provided to indicate the water supply/connection point for responding firefighters

The water supply/connection point must be no more than five metres from the edge of the hard-standing area

Alternative Supplies and Connections: Appendix B2 SNZ PAS 4509:2008  Yes  No  N/A

Ponds, lakes, dams, or waterways require a safe working platform/area that is suitable for firefighters to insert suction hose

Tanks located beside the hard-standing area (on the same or similar level) must have an approved connection fitted

Partially buried tanks located within five metres of the hard-standing area are to have a height from ground level to the top of the tank of no more than one metre

Partially buried tanks located within five metres of the hard-standing area are to have either an appropriately sized accessible opening to access water or have an approved connection fitted

Tanks located below the level of the hard-standing area to have an upstand connection at the hard-standing area no greater than six metres from the bottom of the tank

Tanks located below the level of the hard-standing area or between one and nine metres above the hard-standing area are to have an approved upstand connection

Tanks located ten metres or more above the hard-standing area may have either a 70mm female instantaneous coupling in place or be piped to an underground fire hydrant

Underground fire hydrants supplied from an elevated tank must provide 25 litres per second water flow at the connection point

Connections consistent with:	Yes	No	N/A
NZS/BS 750: 1984 Specifications for underground Fire Hydrants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SNZ PAS 4505:2007 Specifications for Firefighting Waterway Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Fire and Emergency NZ Comments:**

The alternative water supply located at .....

.....

meets the requirements for NZ Firefighting Water Supplies Code of Practice SNZ PAS 4509:2008.

**STEP 1:** Fire & Emergency NZ authorised person signature/stamp accepts the drawings/concepts.

**NOTE: Approval is subjected to a final site inspection.**

**STEP 2: Final Inspection:**

Conducted on.....

Fire & Emergency NZ stamped final inspection & approval.