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	☐	☐	☐
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	☐	☐	☐
A reduction of retained water to 20,000 litres for firefighting has been granted by Invercargill City Council, Gore District Council or the Southland District Council	☐	☐	☐
A reduction of retained water to 20,000 litres for firefighting has been granted by Fire and Emergency New Zealand	☐	☐	☐

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	☐	☐	☐
Any bridges over creeks/water races must be engineered to support a 20-tonne vehicle	☐	☐	☐
The access way that leads to the alternative water supply must be a minimum of four metres wide	☐	☐	☐
The hard-standing area must have a minimum width of four-and-a half metres and a minimum length of eleven metres	☐	☐	☐
Access ways must have a minimum four metre overhead clearance height (overhanging trees, utility cables, building eaves)	☐	☐	☐
The gradient of the access way should not exceed 16% (rise of access/length of access x 100=%)	☐	☐	☐
Access to the alternative water supply should not pass within six metres of any part of any building (radiant heat risk)	☐	☐	☐

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	☐	☐	☐
SNZ PAS 4505:2007 Specifications for Firefighting Waterway Equipment	☐	☐	☐

Consultant, Designer, Architect, Builder or Representative:

Name:

Company:

Date:

Signature:

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.

MUST BE STAMPED BY AUTHORISED PERSON.